

MSc in Sustainable Urban Design

Programme code: MSUD

Cycle: Second

Approved by: Programmes board 3

Validity: 2011/12

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In addition to the syllabus, general regulations and information for the Faculty of Engineering apply to this programme.

1 Aim and learning outcomes

1.1 Aim

This internationally oriented master's programme aims to develop the knowledge, skills and judgement of students in the field of sustainable urban design. The programme is aimed at meeting the need for urban designers who

- from a humanist perspective, contribute with advanced design skills to urban processes of change nationally and internationally;
- initiate and implement urban development focused on urban environments that are sustainable in the long term;
- develop the fundamental artistic understanding and approach of the urban design profession.

The expected learning outcomes listed below are intended to ensure that these aims govern the focus and implementation of the programme.

1.2 Learning outcomes

The general outcomes for the master degree are stated in the Higher Education Ordinance (SFS 1993: 100). Below is a more detailed formulation of these outcomes.

For a degree of Master of Science in Sustainable Urban Design, students must demonstrate the knowledge and skills required for working independently with sustainable urban design.

Knowledge and understanding

For a degree of Master of Science in Sustainable Urban Design students shall

- demonstrate knowledge and understanding of the role of urban design in the long-term development of a sustainable society ;
- demonstrate in-depth methodological knowledge with regard to urban design processes; and
- demonstrate a significant insight into international research and development work in urban design and sustainable urban development.

Skills and abilities

For a degree of Master of Science in Sustainable Urban Design students shall

- demonstrate the ability to critically and systematically integrate knowledge of long-term sustainability in complex urban design and planning processes;
- demonstrate the ability to identify, analyse, assess and handle complex urban issues independently, critically, and creatively and to formulate relevant strategies for change;
- demonstrate the ability to plan and, using appropriate methods, undertake advanced design tasks within a given time period;
- demonstrate the ability in speech, writing and visual presentations in both national and international contexts, to clearly report and discuss their conclusions and proposals;
- demonstrate the ability to plan and design urban structures at several strategic scales; and
- demonstrate the skills required for participation in research and development work in the field of urban planning and design.

Judgement and approach

For a degree of Master of Science in Sustainable Urban Design students shall

- demonstrate the ability to make decisions in the field of urban planning and design informed by relevant scientific, social and ethical aspects;
- demonstrate an awareness of the crucial effect of urban design on humans' living environments and of the ethical aspects of research and development in the field of urban environments; and
- demonstrate the ability to identify their need for further knowledge and take responsibility for their ongoing learning.

1.3 Further studies

On completion of the second-cycle degree, students have basic eligibility for third-cycle studies.

2 The scope and levels of the programme

2.1 The scope of the programme

The master's programme is a two-year, second-cycle programme comprising 120 higher education credits.

2.2 Levels

The courses on the programme are divided into levels. The level is indicated in the relevant course syllabus. The relevant levels are first cycle (G) and second cycle (A). These levels are defined in the Higher Education Act, Chapter 1 Section 8-9. First-cycle courses at the Faculty of Engineering are further subdivided into First cycle 1 (G1) and First cycle 2 (G2). G2 courses presuppose knowledge acquired on G1 courses.

Second-cycle courses may constitute specialisations in a master degree.

3 Programme structure

The first three semesters of the programme consist of nine compulsory courses which are also optional specialisation courses in the Master of Architecture programme. Each semester includes a design project of 15 credits that is integrated with a course in theoretical specialisation and an overview course of 7,5 credits each. The timetable for the courses is explained in the student handbook for the Architecture programme.

Semester 4 of the programme consists of a degree project worth 30 credits. The language of instruction for all courses is English.

3.1 Courses in the programme

The courses included in the programme are indicated in the timetable. In addition to these courses, students are entitled to accreditation of at least 7.5 credits of language courses in Swedish (organised by Lund University for exchange students).

4 Grades

Grades are awarded both for entire courses and for course components, when applicable. Course components are indicated in the relevant syllabus. Grades for an entire course are awarded according to a scale of two grades (Fail, Pass). If another scale of grades is applied, this is indicated in the course syllabus. Only entire passed courses (according to the four-grade scale) are

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included on the degree certificate. Grades awarded in Swedish higher education are criterion-referenced, i.e. the performance of the student is assessed with reference to the relevant learning outcomes and no internal ranking of students is made.

5 Degree

5.1 Degree requirements

For a degree of Master of Science in Sustainable Urban Design students must successfully complete courses comprising 120 credits, including a degree project worth 30 credits. 75 credits must be second-cycle credits, including the degree project.

5.2 Degree and degree certificate

When students have completed all the degree requirements, they are entitled to apply for a degree certificate for a Master of Science (120 credits) in Sustainable Urban Design.

6 Specific admission requirements

6.1 Admission requirements

To be admitted to the Master's programme in Sustainable Urban Design, students must have a first degree of 180 credits in architecture, landscape architecture, physical planning or urban design. A specific requirement is that applicants submit a digital portfolio of their own work in architecture and/or urban construction. The portfolio must clearly prove that the applicant has good potential to benefit from the programme. The selection for admission is based on the assessment of the submitted portfolio. Students must also have documented proficiency in English corresponding to at least English B in Swedish upper secondary school.

6.2 Selection

The applicants' portfolios are the main criterion for selection. Special attention is paid to the design skills and architectural understanding of the applicant.