



Utbildningsplan

En tillgänglighetsanpassad version av utbildningsplanen finns i Kurs- och programkatalogen.

Masterprogram, hållbar samhällsplanering och stadsutformning 120 hp

Master's Programme, Sustainable Urban Planning and Design, 120 credits

Gäller för antagna till utbildningen fr o m HT11.

Utbildningens mål

The information is valid for students who started the program academic year 2010/2011. Later decisions may affect year 2 in the program. Please look at www.kth.se/studies?l=en_UK for further information.

In addition to the general objectives for Masters programmes as stated in the national degree ordinance and the local degree policy of KTH, specific learning outcomes are defined for the Masters programme Sustainable Urban Planning and Design. After completing the programme requirements students shall:

Kunskap och förståelse

- Be acquainted with the theoretical foundations and present developments within urban and regional planning, architecture and urban design as well as environmental sciences.
- Have a sound knowledge on processes that determine urban change and regional development, the actors that are involved in these processes, and the aesthetical, social, economic, institutional and environmental determinants that contribute to sustainable development
- Have a deep understanding of the tools and methods that can be applied to analyse the current status of cities and regions, and the prerequisites for future change.
- Comprehend the relation between theory and practice in planning and urban design, and the connections to other disciplines involved in urban and regional development on the local, regional and global level.

Färdigheter och förmågor

- Be able to assess and handle complexities of urban development in a local and regional perspective and relate them to their social, economical, environmental and political context.
- Be able to carry out advanced studies on contemporary problems, opportunities and future wants and needs, and by that contribute to the development of the field of knowledge.
- Be able to apply the aforementioned knowledge and skills in design, analysis and synthesis in urban development planning practice.
- Be able to make effective oral and written presentations of complex tasks in urban design, planning and environmental issues.
- Be able to convey own results and others viewpoints in a coherent and qualitative way through drawings, sketches, essays and oral presentations.
- Be able to use modern communication techniques and tools to illustrate and visualise plans, concepts and strategies.
- Be able to organise and lead multi-disciplinary groups with experts and contribute to the outcome of the working task.

Värderingsförmåga och förhållningssätt

- Analyse the merits of theoretical concepts, policies, plans and projects.
- Be able to detect implicit normative assumptions that determine different perspectives on planning problems
- Be able to contextualise plans, concepts and policies in different temporal, cultural and institutional backgrounds.
- Be able to reflect critically on the nature and manner of dealing with impending planning problems.

- Be able to track developments within the discipline and analyse how these will affect planning practice.
- Be able to define needs for learning opportunities in order to improve professional capacity.

Utbildningens omfattning och innehåll

The Masters programme Sustainable Urban Planning and Design counts 120 hp and consists of three terms of coursework and one term for the degree project, together 2 years. The course-work encompasses a substantial share of studios and projects that aim at training students' practical skills in planning and urban design and at gaining a better understanding of planning practice. All courses in the programme are at advanced (2nd cycle) level. The language of instruction is English.

The programme offers three specialisation tracks, Urban Planning and Design (UPD), Urban and Regional Planning (URP) and Environment and Planning (EP). The three tracks represent separate professional competences that are involved in urban planning and regional development. By merging these professional competences into one programme, graduates acquire a comprehensive understanding of the planning process, the actors involved, and the aesthetical, social, economic, institutional and environmental determinants that contribute to the development of a sustainable society.

Behörighet och urval

The general admission requirements are the same for all programmes General admission requirements (<http://www.kth.se/studies/master/application?l=en>)

Specific admission requirements

The specific admission requirement for students that apply for the Urban Planning and Design (UPD) specialisation track is a completed Bachelor's degree in architecture, landscape architecture or urban planning. The previous study should include at least 30 hp in the field of urban design.

The specific admission requirement for students that apply for the Urban and Regional Planning (URP) specialisation track is a completed Bachelor's degree in architecture or landscape architecture, civil engineering in the built environment or equivalent, urban and regional planning or social sciences relevant to the scope of the specialisation track. The previous study should comprise at least 30 hp in the field of urban, transport or regional planning, national/regional economy, geoinformatics or environmental sciences.

The specific admission requirement for students that apply for the Environment and Planning (EP) specialisation track is a completed Bachelor's degree in architecture or landscape architecture, civil engineering in the built environment or equivalent, urban and regional planning, social or natural sciences relevant to the scope of the specialisation track. The previous study should comprise at least 30 hp in the field of urban, transport or regional planning, or environmental sciences.

The selection process for the Masters programme Sustainable Urban Planning and Design is based on a total evaluation of the following selection criteria: university, grade point average (GPA), relevant academic courses and motivation letter. Working experience is an advantage but not a requirement. For students with a degree in architecture or landscape architecture, the portfolio is considered in the selection process.

The students are required to be proficient in English, equivalent to English studies at upper secondary level (post-16) in Sweden, called English B. Equivalent knowledge in English can be verified through an internationally recognised test as for example:

- IELTS (an overall mark of 6.5 and no section below 5.5)
- TOEFL.

Utbildningens genomförande

Utbildningens upplägg

The academic year covers 40 weeks, starting in September and divided into two terms, which each consists of two study periods. Each study period concludes with a regular examination period of at least one week. In addition, three re-exam periods are scheduled, after Christmas, after the regular examination period of study period 4 (end of May) and before the start of a new academic year (August). If no exams are scheduled, the regular examination period can be used for seminars and concluding studios.

The first term starts with a common introduction for all specialisation tracks in Sustainable Planning and Design. In the second period a number of primary courses are offered which provide core knowledge for the specialisations. The second and third term comprise courses that provide students with deeper knowledge and skills in the specialisation tracks. The Urban Planning and Design (UPD) specialisation track consists of a series of studios in which students practice their design skills. The Urban and Regional Planning (URP) specialisation track offers courses with a focus on analysis, conceptualisation and implementation of development potentials for cities and regions. The Environment and Planning specialisation track (EP) also offers courses with a focus on analysis, conceptualisation and implementation, but in the field of environmental policy making, planning, scenario building or sustainability assessments. Each of the specialisation tracks includes a project in the third term. The projects are adapted to the skills and knowledge that are gained in the individual specialisation tracks, but they are coordinated in terms of study area, tasks and schedule in order to facilitate an exchange of expertise between students in the three specialisation tracks. The programme concludes with a Master's Degree project in which students address selected problems within the scope of the programme.

Kurser

Utbildningen sker i kursform. Kurslistor finns i bilaga 1.

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Betygssystem

För kurser på KTH används en sjugradig målrelaterad betygsskala A-F som slutbetyg för kurser på grundnivå och avancerad nivå. A-E är godkända betyg med A som högsta betyg. Betygen godkänd (P) och underkänd (F) används som slutbetyg då särskilda skäl föreligger.

All courses in the program, including the Master's Degree project, are graded on a scale A-F, where A-E are passing grades with A as the highest grade. For some sections in the courses a grading system of pass (P) or fail (F) can be applied, for example for attendance. The grade reflects the students' performance in relation to the goals of the course (goal oriented grading).

Villkor för deltagande i utbildningen

Students who have been admitted to the programme have to attend the registration meeting in order to enrol for the programme. If a student is not able to attend the registration meeting for reasons beyond his/her control he/she should register not later than two weeks after the start of the courses.

Students will be registered for their preferred specialisation track. During the first period students can change specialisation track, provided that seats are available and the student is eligible for the specialisation track he/she wants to change to.

After registration in the programme, students will be registered for term 1 and 2. For registration in term 3 students should have completed at least 45hp. For registration for the degree project students should have completed at least 60 hp of the compulsory courses. Through signing the attendance list during the first week of the course, students will be registered for the course. If a student for reasons beyond his/her control is not able to attend during the first week he/she has to contact the course administrator.

Tillgodoräknanden

The Royal Institute of Technology has a policy for recognising previous academic studies. The course that the student wants to be recognised should be similar to a course in the curriculum of the specialisation track in which the student is registered in terms of contents, level and number of credits. Moreover, the courses that the student wants to be recognised should not be part of the bachelor program that was basis for admission to the masters program. The decision on recognising documented results is taken by the vice dean of education at the School of Architecture and the Built Environment upon application by the student.

Utlandsstudier

The programme offers no opportunities for studies abroad except for the Master's Degree project where the student can choose to carry out a study at an organisation outside Sweden. However, the

School of Architecture and the Built Environment has no resources to provide support so the student should make such arrangements.

For Swedish students in the programme, however, there are opportunities for exchange under existing agreements.

Examensarbete

The degree project comprises 30hp and provides students with the opportunity to investigate a problem in depth under the supervision of experienced practitioners and researchers. Students in the Urban Planning and Design (UPD) specialisation track can choose between a degree project in either Urban Planning and Design or Regional Planning. Students in the Urban and Regional Planning (URP) are expected to conduct a degree project in Regional Planning while students in Environment and Planning (EP) are expected to conduct a degree project in Environmental Strategic Analysis. If a student intends to carry out a degree project within another field of studies, he/she should apply for exemption from the Head of Education.

The degree project is graded on a scale A-F, where A-E are passing grades with A as the highest grade. The grading of degree projects is based on an overall assessment of working process, scientific contents and presentation.

Examen

Students who have fulfilled all course requirements in the Masters programme (120 ECTS) will be awarded a "Teknologie masterexamen", translated into English as "Degree of Master of Science (two years)".

An application for the degree certificate should be submitted to the programme coordinator, together with a copy of a student union card, copy of receipts or a certificate from the student union office, and an attested photocopy of the previous university degree (B.Sc. or a B. Eng. or equivalent). The degree certificate will be mailed to the student's permanent address by registered mail.

Bilaga 1 - Kurslista

Bilaga 2 - Inriktningsbeskrivningar



Bilaga 1: Kurslista

Masterprogram, hållbar samhällsplanering och stadsutformning (THSSM)

Spår, Urban and Regional Planning (HSSA)

Årskurs 1

Obligatoriska kurser (60,0 Högskolepoäng)

| Kurskod | Namn | Omfattning | Utbildningsnivå |
|------------------------|-------------------------------------------------------------------------------|------------|-----------------|
| AD2845 | Grundläggande principer för fastighetsekonomi och urban ekonomi | 7,5 hp | Avancerad nivå |
| AG2116 | City Networks in Regional Contexts | 7,5 hp | Avancerad nivå |
| AG2126 | Vetenskapsteori och forskningsmetod för studier om planering och urban design | 7,5 hp | Avancerad nivå |
| AG2127 | Teorier om planering och Urban Governance | 7,5 hp | Avancerad nivå |
| AG2128 | Stadsutveckling och planering | 7,5 hp | Avancerad nivå |
| AG2171 | Futures Studies and Forecasts | 7,5 hp | Avancerad nivå |
| AG2805 | Planering och design för hållbar stadsutveckling | 15,0 hp | Avancerad nivå |

Årskurs 2

Rekommenderade kurser

| Kurskod | Namn | Omfattning | Utbildningsnivå |
|------------------------|-------------------------------------------------------------------------------|------------|-----------------|
| AG210X | Examensarbete inom regional planering, avancerad nivå | 30,0 hp | Avancerad nivå |
| AG2119 | Applied Analysis and International Planning | 7,5 hp | Avancerad nivå |
| AG2120 | Social and Cultural Issues in Planning | 7,5 hp | Avancerad nivå |
| AG2129 | Projekt hållbar stadsplanering - strategier för urban och regional utveckling | 15,0 hp | Avancerad nivå |

Kompletterande information

Kursen AG2126-Theory of Science and Research Methodology in Planning and Design ingår i examensfodringar för masterprogrammet. Studenter som inte har läst kursen under tidigare terminer bör kontakta programansvarig.

Spår, Urban Planning and Design (HSSB)

Årskurs 1

Obligatoriska kurser (60,0 Högskolepoäng)

| Kurskod | Namn | Omfattning | Utbildningsnivå |
|------------------------|-------------------------------------------------------------------------------|------------|-----------------|
| AD2845 | Grundläggande principer för fastighetsekonomi och urban ekonomi | 7,5 hp | Avancerad nivå |
| AD2850 | Urban strukturgestaltning | 7,5 hp | Avancerad nivå |
| AD2855 | Nutida trender i stadsplanering och stadsutformning II | 7,5 hp | Avancerad nivå |
| AG2124 | Nutida trender i stadsplanering och stadsutformning I | 7,5 hp | Avancerad nivå |
| AG2125 | Stadsbyggandets praktiska och diskursiva grunder | 7,5 hp | Avancerad nivå |
| AG2126 | Vetenskapsteori och forskningsmetod för studier om planering och urban design | 7,5 hp | Avancerad nivå |
| AG2805 | Planering och design för hållbar stadsutveckling | 15,0 hp | Avancerad nivå |

Årskurs 2

Villkorligt valfria kurser

| Kurskod | Namn | Omfattning | Utbildningsnivå |
|------------------------|--------------------------------------------------------------|------------|-----------------|
| AD2UPX | Examensarbete inom stadsplanering och design, avancerad nivå | 30,0 hp | Avancerad nivå |
| AG210X | Examensarbete inom regional planering, avancerad nivå | 30,0 hp | Avancerad nivå |

Rekommenderade kurser

| Kurskod | Namn | Omfattning | Utbildningsnivå |
|------------------------|-----------------------------------------------------------|------------|-----------------|
| AD2860 | Projekt hållbar stadsbyggnad - offentliga platser och rum | 15,0 hp | Avancerad nivå |
| AG2108 | Urban Theory, Advanced Course | 7,5 hp | Avancerad nivå |
| AG2120 | Social and Cultural Issues in Planning | 7,5 hp | Avancerad nivå |

Kompletterande information

Kursen AG2126-Theory of Science and Research Methodology in Planning and Design ingår i examensfodringar för masterprogrammet. Studenter som inte har läst kursen under tidigare terminer bör kontakta programansvarig.

Spår, Environment and Planning (HSSC)

Årskurs 1

Obligatoriska kurser (60,0 Högskolepoäng)

| Kurskod | Namn | Omfattning | Utbildningsnivå |
|------------------------|-------------------------------------------------------------------------------|------------|-----------------|
| AE2507 | Strategisk miljöbedömning | 7,5 hp | Avancerad nivå |
| AG2126 | Vetenskapsteori och forskningsmetod för studier om planering och urban design | 7,5 hp | Avancerad nivå |
| AG2127 | Teorier om planering och Urban Governance | 7,5 hp | Avancerad nivå |
| AG2171 | Futures Studies and Forecasts | 7,5 hp | Avancerad nivå |
| AG2804 | Transporter, kommunikationer och hållbar utveckling | 7,5 hp | Avancerad nivå |
| AG2805 | Planering och design för hållbar stadsutveckling | 15,0 hp | Avancerad nivå |
| AG2806 | Bebyggelsens miljöpåverkan | 7,5 hp | Avancerad nivå |

Årskurs 2

Rekommenderade kurser

| Kurskod | Namn | Omfattning | Utbildningsnivå |
|------------------------|-----------------------------------------------------------------------|------------|-----------------|
| AG2803 | Ecosystem Support and Environmental Justice | 7,5 hp | Avancerad nivå |
| AG2809 | Projekt hållbar stadsplanering - miljöbedömning, planer och processer | 15,0 hp | Avancerad nivå |
| AG280X | Examensarbete inom miljöstrategisk analys, avancerad nivå | 30,0 hp | Avancerad nivå |
| AG2811 | Planering för resiliens | 7,5 hp | Avancerad nivå |

Kompletterande information

Kursen AG2126-Theory of Science and Research Methodology in Planning and Design ingår i examensfodringar för masterprogrammet. Studenter som inte har läst kursen under tidigare terminer bör kontakta programansvarig.



Bilaga 2: Inriktningar

Masterprogram, hållbar samhällsplanering och stadsutformning (THSSM)

Spår, Urban and Regional Planning (HSSA)

Ingen information inlagd.

Spår, Urban Planning and Design (HSSB)

Ingen information inlagd.

Spår, Environment and Planning (HSSC)

Ingen information inlagd.