



# 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 HT12.*

### Utbildningens mål

**The information is valid for students who started the program academic year 2012/2013. Later decisions may affect year 2 in the program. Please look at [www.kth.se/studies?l=en\\_UK](http://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.

## 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.

### *Communication*

- 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.

### *Learning*

- 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 (2ndcycle) level. The language of instruction is English.

The programme offers three 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 requirement for masters programmes at KTH is a completed Bachelor's degree, equivalent to a Swedish Bachelor's degree (180 ECTS), or equivalent academic qualifications from an internationally recognised university. Students in their final year of their under-graduate education may also apply and if qualified, receive a conditional acceptance. In addition, applicant must provide a proof of their proficiency in English. KTH accepts a TOEFL test score of a minimum of 550 (213 in the computer-based test, 79 in the internet based test) or an IELTS score of at least 6.0, no band lower than 5.0 (both general and academic accepted). English proficiency tests are waived for applicants with English as language of instruction (minimum 3 years of full-time higher education studies).

The specific admission requirement for students that apply for the Urban Planning and Design (UPD) 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) 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 track. The previous study should comprise at least 30 hp in the field of

urban, transport or regional planning, national/regional economy, geo-informatics or environmental sciences.

The specific admission requirement for students that apply for the Environment and Planning (EP) 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 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, motivation letter and working experience. For students with a degree in architecture or landscape architecture, the portfolio is considered in the selection process.

## Utbildningens genomförande

### Utbildningens upplägg

The academic year is 40 weeks and is divided into two semesters, autumn and spring. Each semester consists of two study periods.

For information on the extent of the school year, the exam and omtentamensperioder cited <http://www.kth.se/student/schema>.

The first term starts with a common introduction for all tracks in Sustainable Planning and Design. In the second period a number of primary courses are offered which provide core knowledge for the tracks. The second and third term comprise courses that provide students with deeper knowledge and skills in the tracks. The Urban Planning and Design (UPD) track consists of a series of studios in which students practice their design skills. The Urban and Regional Planning (URP) track offers courses with a focus on analysis, conceptualisation and implementation of development potentials for cities and regions. The Environment and Planning 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 tracks includes a project in the third term. The projects are adapted to the skills and knowledge that are gained in the individual tracks, but they are coordinated in terms of tasks and schedule in order to facilitate an exchange of expertise between students in the three 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.

## 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.

## Villkor för deltagande i utbildningen

A prerequisite for studying at KTH is that every term, students must enrol in their courses and register for the term.

Registration for courses requires course selection in LADOK (student registry). Course selection is done either through the course selection web application or through the student's educational office. Course registration is done by the department giving the course. Students wishing to drop the course should notify the department that is giving the course.

## Tillgodoräknanden

Students may request to be given credit for a course/courses from another college/university within or outside Sweden. KTH's policy for recognising previous academic studies is available in full in KTH's regulations at [www.kth.se](http://www.kth.se).

## Utlandsstudier

This programme offers opportunities to study abroad. In order to be eligible for studies abroad within the framework of any exchange agreement with foreign universities, students should be enrolled at KTH, have completed at least two years of studies, and be keeping pace with their studies.

Selection is based on weighted average grades in compulsory courses.

For more information, refer to KTH's regulations at <http://intra.kth.se/regelverk/utbildning-forskning/grundutbildning/utbytesstudier>.

## 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) 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.

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

To obtain the master's degree students must have passed courses of at least 120 higher education credits, of which the following must be included:

- at least 90 higher education credits from courses on the second level that are included in the master programme (including the master thesis of 30 higher education credits), and at least 15 additional credits from courses in any engineering area
- a maximum of 15 higher education credits of entirely elective courses;
- an approved course in Theory and Methodology of Science.

In the event that the master's program is a final part of the degree programme in Civil Engineering and Urban Management or of the degree programme in Energy and Environment, there may be additional requirements according to the corresponding study programmes. For example, a master of science degree in the above degree programmes should include mathematics and science subjects for a minimum of 45 higher education credits.

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 (7,5 Högskolepoäng)

Kurskod	Namn	Omfattning	Utbildningsnivå
<a href="#">AG2126</a>	Vetenskapsteori och forskningsmetod för studier om planering och urban design	7,5 hp	Avancerad nivå

Rekommenderade kurser

Kurskod	Namn	Omfattning	Utbildningsnivå
<a href="#">AD2845</a>	Grundläggande principer för fastighetsekonomi och urban ekonomi	7,5 hp	Avancerad nivå
<a href="#">AG2116</a>	City Networks in Regional Contexts	7,5 hp	Avancerad nivå
<a href="#">AG2127</a>	Teorier om planering och Urban Governance	7,5 hp	Avancerad nivå
<a href="#">AG2128</a>	Stadsutveckling och planering	7,5 hp	Avancerad nivå
<a href="#">AG2171</a>	Futures Studies and Forecasts	7,5 hp	Avancerad nivå
<a href="#">AG2805</a>	Planering och design för hållbar stadsutveckling	15,0 hp	Avancerad nivå

## Årskurs 2

### Rekommenderade kurser

Kurskod	Namn	Omfattning	Utbildningsnivå
<a href="#">AG211X</a>	Examensarbete inom urban och regional planering, avancerad nivå	30,0 hp	Avancerad nivå
<a href="#">AG2129</a>	Projekt hållbar stadsplanering - strategier för urban och regional utveckling	15,0 hp	Avancerad nivå
<a href="#">AG2130</a>	Tillämpad urban och regional analys	7,5 hp	Avancerad nivå
<a href="#">AG2134</a>	Nutida urban teori, avancerad kurs	7,5 hp	Avancerad nivå

## Spår, Urban Planning and Design (HSSB)

### Årskurs 1

### Obligatoriska kurser (7,5 Högskolepoäng)

Kurskod	Namn	Omfattning	Utbildningsnivå
<a href="#">AG2126</a>	Vetenskapsteori och forskningsmetod för studier om planering och urban design	7,5 hp	Avancerad nivå

### Rekommenderade kurser

Kurskod	Namn	Omfattning	Utbildningsnivå
<a href="#">AD2845</a>	Grundläggande principer för fastighetsekonomi och urban ekonomi	7,5 hp	Avancerad nivå
<a href="#">AD2850</a>	Urban strukturgestaltning	7,5 hp	Avancerad nivå
<a href="#">AD2855</a>	Nutida trender i stadsplanering och stadsutformning II	7,5 hp	Avancerad nivå
<a href="#">AG2124</a>	Nutida trender i stadsplanering och stadsutformning I	7,5 hp	Avancerad nivå
<a href="#">AG2125</a>	Stadsbyggandets praktiska och diskursiva grunder	7,5 hp	Avancerad nivå
<a href="#">AG2805</a>	Planering och design för hållbar stadsutveckling	15,0 hp	Avancerad nivå



## Årskurs 2

### Rekommenderade kurser

Kurskod	Namn	Omfattning	Utbildningsnivå
<a href="#">AD2863</a>	Hållbar stadsplanering och stadsbyggnad studio 2.1- Urbana Ekologier	22,5 hp	Avancerad nivå
<a href="#">AD2UPX</a>	Examensarbete inom stadsplanering och design, avancerad nivå	30,0 hp	Avancerad nivå
<a href="#">AG211X</a>	Examensarbete inom urban och regional planering, avancerad nivå	30,0 hp	Avancerad nivå
<a href="#">AG2134</a>	Nutida urban teori, avancerad kurs	7,5 hp	Avancerad nivå

## Spår, Environment and Planning (HSSC)

### Årskurs 1

#### Obligatoriska kurser (7,5 Högskolepoäng)

Kurskod	Namn	Omfattning	Utbildningsnivå
<a href="#">AG2126</a>	Vetenskapsteori och forskningsmetod för studier om planering och urban design	7,5 hp	Avancerad nivå

### Rekommenderade kurser

Kurskod	Namn	Omfattning	Utbildningsnivå
<a href="#">AE2507</a>	Strategisk miljöbedömning	7,5 hp	Avancerad nivå
<a href="#">AG2127</a>	Teorier om planering och Urban Governance	7,5 hp	Avancerad nivå
<a href="#">AG2171</a>	Futures Studies and Forecasts	7,5 hp	Avancerad nivå
<a href="#">AG2804</a>	Transporter, kommunikationer och hållbar utveckling	7,5 hp	Avancerad nivå
<a href="#">AG2805</a>	Planering och design för hållbar stadsutveckling	15,0 hp	Avancerad nivå
<a href="#">AG2806</a>	Bebyggelsens miljöpåverkan	7,5 hp	Avancerad nivå

## Årskurs 2

### Rekommenderade kurser

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



# 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.