Programme syllabus

Bachelor's Programme in Real Estate and Finance
Kandidatprogram, fastighet och finans
180.0 credits

Valid for students admitted to the education from autumn 15 (HT - Autumn term; VT - Spring term).

This is a translation of the Swedish, legally binding, programme syllabus.

Programme objectives

Valid for students admitted to the education from autumn semester 2015

Current list of courses in appendix 1

Apart from the stated goals for a Bachelor of Science degree, the students should be able to reach the following targets:

Knowledge and understanding

• To reach a level of specialized knowledge enabling the completion of advanced tasks within the field of economy, law and mathematics with a specialization towards the stated fields of work in real estate development and finance.

Skills and abilities

• To be able to develop an advanced capability of communicating verbally and orally in the stated fields of real estate development and finance industry

• To develop a capacity to follow and apply the latest findings within the real estate and finance fields, both concerning practices and relevant research.

• To be able to develop a capacity to act independently, and in groups, in translating formal knowledge into practices in the field.

Ability to make judgements and adopt a standpoint

The bachelors program aims to provide the students with:

• a profound knowledge regarding the role of the real estate and finance industries in the overall context of the built society and how the real estate industry contributes to a sustainable society.

• a deeper understanding of using the customer’s perspective in both the real estate and the financial industry.

• a genuine knowledge regarding the implication of law and the legal infrastructure in decision-making processes in both the real estate and the financial industry.

• knowledge in order to make complex decisions with regard to relevant research and societal implications, for different types of projects within the real estate and financial industry.

• a capability to use their acquired knowledge in the field in order to be able to develop their own competences and how these can be enhanced.
Complete information regarding the overall requirements for bachelors’ degrees can be found at KTH’s website.

**Extent and content of the programme**

The Bachelor's program is located on the first level with a fall start. The program comprises 180 credits, which in normal tempo corresponds to 3 years of full time study (6 semesters). In year 3 it is possible to read one or more advanced courses, where the final degree project is included. The program leads to a Bachelor degree.

The language of instruction is in Swedish, although there may be literature in English.

**Eligibility and selection**

To be eligible for KTH courses at undergraduate/graduate level requires basic eligibility, according to the Higher Education Ordinance. In addition the following specific entrance requirements for admission to the program met:

Matematik 3C (mathematics at D-level), Fysik 1 (1a or 1b1 and 1b2) and Kemi 1. Fysik 1 and Kemi 1 can be substituted for Naturkunskap 2. In each of these subjects the student need to have a grade of at least “godkänd” or 3.

**Selection**

If the number of applicants should exceed the number of available places, a selection process will be conducted. The selection process is based on the grade and a total valuation of completed courses in the relevant education subject area.

For eligibility requirements and selection criteria, please refer to KTH regulations.

**Implementation of the education**

**Structure of the education**

Structure of the education

The study year at KTH is 40 weeks, divided into four periods. The periods are each ten weeks. Every period is followed by a week for examinations. For a detailed overview of the calendar see KTH website. The programme consists of mandatory courses in years 1-3, and a number of voluntary courses at year 3. The program is concluded by a bachelors’ thesis at the end of year 3, encompassing a total of ten weeks.

**Courses**

The programme is course-based. Lists of courses are included in appendix 1.

**Grading system**

Courses in the first and the second cycle are graded on a scale from A to F. A-E are passing grades, A is the highest grade. The grades pass (P) and fail (F) are used for courses under certain circumstances.

**Conditions for participation in the programme**

**Semester Registration /Course Registration**

A prerequisite for participation in studies at KTH is to the student for each semester doing a semester registration and course registration.

Before the semester 1; semester and course registration is done automatically in conjunction with enrollment in the semester.

Before the semester 2-6 should students make web registering by themselves in personal menu by logging on to the website.

All of program students from second semester do a course application on www.antagning.se, and course registration done in the personal menu.

**Conditions for advancement**

The following promotion requirements apply to participate in the teaching.

For studies in Year 2:

- At least 45 credits in Year 1 must be completed by semester study year 2.
For studies in Year 3:
• At least 90 credits from year 1 and 2 must be completed at the semester grades 3rd
Students who have fallen behind with their studies and do not meet the above requirements, in consultation with the study guide up an individual study plan for continued studies.

**Recognition of previous academic studies**
Students are able to apply to receive credit for the results of the course/courses at another college/ university within the country or abroad.

For more information please refer to KTH's regulations and program's student guidance counselling.

**Studies abroad**
There are opportunities within the program for student exchange under existing agreements.

The selection is based on the weighted average of the required courses.

For more information and recommendation on the appropriate semester for exchange refer to the program's international administrators.

**Degree project**
The training includes a degree equivalent to a 15-credit course. This means 10 weeks of full time studies. For the thesis, special rules apply:
• Most of the studies, at least 120 credits, must be completed before the degree work begins.
• The work may not begin before the task approved by the examiner and notification of special application form. Examiner is responsible for ensuring the student has sufficient knowledge for the selected task.
• The supervisor is appointed by the examiner.
• Information regarding the grading scale on the degree project refer to the syllabus.
More information on the current degree bachelor programs see KTH regulations.

**Degree**
Students who have fulfilled all the requirements in the Bachelor's programme (180 ECTS) will be awarded the "Degree of Bachelor of Science (180 credits)". In order to gain a degree at least 25 credits need to concern mathematical or bioscience subjects (naturvetenskapliga ämnen), and at least 90 credits including a completed bachelor’s thesis within the main subject. An application for the degree certificate should be submitted to the Student Counselors Office.

For more information, please refer to the KTH regulations.

To obtain the degree, students will apply for a diploma through web service in personal menu.

There is more information about the degree on KTH’s regulations.

*Appendix 1 - Course list
Appendix 2 - Programme syllabus descriptions*
Appendix 1: Course list

Bachelor's Programme in Real Estate and Finance (TFOFK), Programme syllabus for studies starting in autumn 2015

**General courses**

**Year 1**

**Mandatory courses (60.0 credits)**

<table>
<thead>
<tr>
<th>Course code</th>
<th>Course name</th>
<th>Credits</th>
<th>Edu. level</th>
</tr>
</thead>
<tbody>
<tr>
<td>AI1125</td>
<td>Organization and Management</td>
<td>9.0</td>
<td>First cycle</td>
</tr>
<tr>
<td>AI1126</td>
<td>Introduction to the Planning and Building Process in Real Estate and Finance</td>
<td>6.0</td>
<td>First cycle</td>
</tr>
<tr>
<td>AI1128</td>
<td>Economics of the Built Environment</td>
<td>7.5</td>
<td>First cycle</td>
</tr>
<tr>
<td>AI1175</td>
<td>Basic Statistics for Economists</td>
<td>7.5</td>
<td>First cycle</td>
</tr>
<tr>
<td>AI1178</td>
<td>Applied Mathematics and Statistics for Economists</td>
<td>6.0</td>
<td>First cycle</td>
</tr>
<tr>
<td>AI1550</td>
<td>Introduction to Swedish law</td>
<td>15.0</td>
<td>First cycle</td>
</tr>
<tr>
<td>SF1627</td>
<td>Mathematics for Economists</td>
<td>9.0</td>
<td>First cycle</td>
</tr>
</tbody>
</table>

**Optional courses**

<table>
<thead>
<tr>
<th>Course code</th>
<th>Course name</th>
<th>Credits</th>
<th>Edu. level</th>
</tr>
</thead>
<tbody>
<tr>
<td>SF1611</td>
<td>Introductory Course in Mathematics I</td>
<td>1.5</td>
<td>First cycle</td>
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</table>

**Year 2**

**Mandatory courses (60.0 credits)**

<table>
<thead>
<tr>
<th>Course code</th>
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<th>Credits</th>
<th>Edu. level</th>
</tr>
</thead>
<tbody>
<tr>
<td>AG1421</td>
<td>Real Estate Information Technology</td>
<td>7.5</td>
<td>First cycle</td>
</tr>
<tr>
<td>AI1108</td>
<td>Investment Analysis</td>
<td>7.5</td>
<td>First cycle</td>
</tr>
<tr>
<td>AI1142</td>
<td>Financial Reporting and Analysis</td>
<td>7.5</td>
<td>First cycle</td>
</tr>
<tr>
<td>AI1144</td>
<td>Fundamentals of Residential Real Estate Finance</td>
<td>7.5</td>
<td>First cycle</td>
</tr>
<tr>
<td>Course code</td>
<td>Course name</td>
<td>Credits</td>
<td>Edu. level</td>
</tr>
<tr>
<td>-------------</td>
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</tr>
<tr>
<td>AI1145</td>
<td>Property Management with a Financial Perspective</td>
<td>7.5</td>
<td>First cycle</td>
</tr>
<tr>
<td>AI1177</td>
<td>Financial Econometrics</td>
<td>7.5</td>
<td>First cycle</td>
</tr>
<tr>
<td>AI1509</td>
<td>Law of Real Estate</td>
<td>7.5</td>
<td>First cycle</td>
</tr>
<tr>
<td>AI1512</td>
<td>Credit and Insolvency Law</td>
<td>7.5</td>
<td>First cycle</td>
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</table>

### Year 3

**Mandatory courses (30.0 credits)**

<table>
<thead>
<tr>
<th>Course code</th>
<th>Course name</th>
<th>Credits</th>
<th>Edu. level</th>
</tr>
</thead>
<tbody>
<tr>
<td>AI1170</td>
<td>Relationship, Marketing and Market Analysis</td>
<td>7.5</td>
<td>First cycle</td>
</tr>
<tr>
<td>AI1171</td>
<td>Management and Ethics</td>
<td>7.5</td>
<td>First cycle</td>
</tr>
<tr>
<td>AI1519</td>
<td>Land Law</td>
<td>7.5</td>
<td>First cycle</td>
</tr>
<tr>
<td>AI2114</td>
<td>Corporate and Real Estate Taxation</td>
<td>7.5</td>
<td>Second cycle</td>
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### Conditionally elective courses

<table>
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<tr>
<th>Course code</th>
<th>Course name</th>
<th>Credits</th>
<th>Edu. level</th>
</tr>
</thead>
<tbody>
<tr>
<td>AI105X</td>
<td>Degree Project in Finance, First Cycle</td>
<td>15.0</td>
<td>First cycle</td>
</tr>
<tr>
<td>AI107X</td>
<td>Degree Project in Real Estate Economics, First Cycle</td>
<td>15.0</td>
<td>First cycle</td>
</tr>
<tr>
<td>AI1134</td>
<td>Capital Markets and Financial Instruments</td>
<td>7.5</td>
<td>First cycle</td>
</tr>
<tr>
<td>AI1141</td>
<td>Credit Risk Assessment</td>
<td>7.5</td>
<td>First cycle</td>
</tr>
<tr>
<td>AI1147</td>
<td>Real Estate Valuation</td>
<td>7.5</td>
<td>First cycle</td>
</tr>
</tbody>
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### Year 4
Appendix 2: Specialisations

Bachelor's Programme in Real Estate and Finance (TFOFK), Programme syllabus for studies starting in autumn 2015

This programme has no specialisations.