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 14 (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 2014

Current list of courses in appendix 1

Current descriptions of tracks in appendix 2

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 http://intra.kth.se/

**Extent and content of the programme**

The bachelors program consists of 180 credits, which corresponds to three years of full time study (6 semesters). The education is to be provided at the basic level.

The language used in the program The entire program is provided in Swedish, the literature in some of the courses is in written in English.

**Eligibility and selection**

As admission criteria for the Bachelor Programme in Real Estate and Finance, there is a basic requirement equal to at least Matematik 3C (mathematics at D-level) and 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.

For admission criteria see http://www.kth.se/info/

**Implementation 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: http://www.kth.se/student/. 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.

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**Conditions for participation in the programme**

To be enrolled in the programme, students must be duly accepted into the programme with a valid admission letter issued by KTH Central Admissions Office.

To be enrolled in a course would require selecting the course if it is an elective, in addition to signing an attendance list at the beginning of the course. Participation in class exercises and projects are a compulsory part of enrolling in any course.

Before May 15 and November 15 the students are required to make study registration and course selection for the coming semester. At least 45 credits from the programme must be completed during the first academic year including the re-examination before promotion to the next academic year. For the third year the students need at least 90 credits, whereof at least 50 credits from the first year. Students who have not fulfilled this requirement must set up an individual study plan. The main goal of the study plan is to assist the student to complete the remaining courses during
the next academic year. The study plan will consist of a time plan for completing outstanding coursework as well as suitable courses from the next academic year. In selecting courses for the following academic year, special consideration will be given to the student satisfying the prerequisites of the courses they would like to take.

**Recognition of previous academic studies**

KTH has a policy for recognizing previous academic studies. The decision on recognizing documented results from similar education at other universities is taken by the vice dean of education at the School of Architecture and the Built Environment upon application by the student.

**Studies abroad**

There are at present limited possibilities for non-EU Master’s students at the school of Architecture and the Built Environment to exchange semester three for studies abroad. For Swedish students in the programme, however, there will be opportunities for exchange under existing agreements.

**Absence with leave**

Students can be granted an absence with leave which means that the student does not participate in education for a whole year. At the beginning of the absence the student has the right to return to studies at a specified point in time. The student may complete unfinished courses during this absence. Absence of leave is granted by a form at the student counsellors office. The student needs to fill in another form at the office when renewing the studies.

**Degree project**

A dissertation/degree project (15 credits) is required for satisfactory completion of the requirements for the Bachelor of Science Degree (BSc). The degree project is graded according to the grading scale A-F. The student’s program of study should support the dissertation. The dissertation supervisor, the Chief Examiner of dissertations and the head teacher of the Theory of Science and Research Methods course sequence will help the student plan a program of study appropriate to the student’s specific research interest.

The dissertation is a written report of an individual student’s investigation of a question of significance to the discipline. Dissertations address a substantive issue through theoretically based research relevant to the practice of the discipline and may serve as a preliminary study in developing a program of research.

The prerequisite for starting the degree project for all tracks is 120 credits of coursework, whereof at least 60 credits in the main subject. In order to ensure that they have sufficient knowledge of the discipline.

In particular, each student’s dissertation/thesis proposal has to be approved by the examiner of the Theory of Science and Research Methods course to be registered for the dissertation. Current research interests and supervisory capacity of the division will determine the issues covered in the degree project. Further details for degree projects can be found in the KTH regulations:

http://intra.kth.se/regelverk/utbildning-forskning/grundutbildning/examensarbete/?l=en_UK

**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 Councillors Office.

http://intra.kth.se/regelverk/utbildning-forskning/grundutbildning/examina

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 2014

## 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>AI1550</td>
<td>Introduction to Swedish law</td>
<td>15.0</td>
<td>First cycle</td>
</tr>
<tr>
<td>DD1370</td>
<td>Database Technology and Information systems</td>
<td>7.5</td>
<td>First cycle</td>
</tr>
<tr>
<td>SF1627</td>
<td>Mathematics for Economists</td>
<td>9.0</td>
<td>First cycle</td>
</tr>
<tr>
<td>SF1902</td>
<td>Basic Statistics and Probability Theory for Economists</td>
<td>6.0</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>
</tr>
</tbody>
</table>

### Year 2

**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>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>
</tbody>
</table>
### Course code | Course name | Credits | Edu. level
---|---|---|---
AI1145 | Property Management with a Financial Perspective | 7.5 | First cycle
AI1509 | Law of Real Estate | 7.5 | First cycle
AI1519 | Land Law | 7.5 | First cycle
DD1371 | Decision Support Systems | 7.5 | First cycle

**Year 3**

**Mandatory courses (30.0 credits)**

| Course code | Course name | Credits | Edu. level
---|---|---|---
AI1170 | Relationship, Marketing and Market Analysis | 7.5 | First cycle
AI1171 | Management and Ethics | 7.5 | First cycle
AI1512 | Credit and Insolvency Law | 7.5 | First cycle
AI2114 | Corporate and Real Estate Taxation | 7.5 | Second cycle

**Conditionally elective courses**

| Course code | Course name | Credits | Edu. level
---|---|---|---
AI103X | Degree Project in Finance, First Cycle  
*This course can be replaced by AI103X with grading scale A to F* | 15.0 | First cycle
AI102X | Degree Project in Real Estate Economics, First Cycle  
*This course can be replaced by AI102X with grading scale A to F* | 15.0 | First cycle
AI1134 | Capital Markets and Financial Instruments | 7.5 | First cycle
AI1141 | Credit Risk Assessment | 7.5 | First cycle
AI1147 | Real Estate Valuation | 7.5 | First cycle

**Year 4**
Appendix 2: Specialisations

Bachelor's Programme in Real Estate and Finance (TFOFK), Programme syllabus for studies starting in autumn 2014

This programme has no specialisations.