Programme syllabus

Master's Programme, Entrepreneurship and Innovation Management, 60 credits
Magisterprogram, entreprenörskap och innovationsledning

60.0 credits

Valid for students admitted to the education from autumn 09 (HT - Autumn term; VT - Spring term).

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

Programme objectives

Beyond the objectives which are specified in the Higher Education Degree Ordinance, there are also specific goals for this programme. After completing the programme, the student should:

Knowledge and understanding

- Show deep knowledge regarding established and new theories and models within the area of innovation and entrepreneurship complementing earlier technical and natural-scientific knowledge and building upon it.
- Show deep knowledge about how new economical organisations are started and driven, the role which entrepreneurship and innovation play in social economy, and those requirements which innovative organisations put on management and the organisation.
- Show deep knowledge about scientific and practical methods to assess, develop and drive newly created and innovative projects, whether within existing companies or through creating a new organisation.

Skills and abilities

Show the ability to generate ideas for development, planning, and implementation of newly created economical organisations:

- Show the ability to apply theories within entrepreneurship and innovation in a constructive manner and through that, develop practical applications.
- Show the ability to handle the different management, planning, and organisation issues which arise in and with the driving of an innovative project.
- Show the ability to handle the start and the development of a newly created organization, both as an individual and as a part of a team.

Ability to make judgements and adopt a standpoint

- Show the ability to generate ideas for development, planning, and implementation of newly created economical organisations.
- Show the ability to apply theories within entrepreneurship and innovation in a constructive manner and through that, develop practical applications.
- Show the ability to handle the different management, planning, and organisation issues which arise in and with the driving of an innovative project.
- Show the ability to handle the start and the development of a newly created organization, both as an individual and as a part of a team.
**Extent and content of the programme**

The programme consists of 60 higher education credits which correspond to one year full time studies. The programme’s in mainly on the second level.

The programme is constructed so that the participants within it will be able to drive individual projects. Within the frame of the programme, the participants can choose different focus areas. This is designed so that the student can choose to focus on how to start a new company or focus on innovation leadership. The lectures are carried out in English.

**Eligibility and selection**

In order to be eligible for the programme, a bachelor degree comprising at least 180 higher education credits is required: Bachelor of Science in Engineering Degree, Technical Bachelor Degree or another corresponding technical, or natural scientific degree on the first level. Other studies or work experiences are assessed from the competencies which are referred to. The merit evaluation which is the foundation for the selection, is based upon the applicant’s grade point average from earlier education (courses which are included/ are thought to be included in the degree). The applicants are divided into three groups based on the grade point average. The applicant’s are accepted by group beginning with the group with the highest grade point average. Within the lowest ranking group, a lottery is drawn if needed to decide which applicant is to be accepted. The students are required a good knowledge of English, equivalent to Eng B. For more information, see KTH’s admission policy in the KTH Regulastions.

**Implementation of the education**

**Structure of the education**

Study years, terms, and study periods can be found in the KTH handbook. The programme is an extension of a degree within technology or natural science. It has the following structure: **Study year 1** The participants in the programme first take a section of courses called **Core**, which comprises 27 higher education credits. In this, basic skills and basic theory are introduced. In the other section, **Focus**, the participants choose an area within which they will concentrate and focus their interests. In this section, a section of 18 higher education credits will be given with the main focus on innovation leadership. In the third and final section, **Project**, the programme’s degree project is carried out. This will both represent a scientific final work which is carried out in parallel with the student’s own entrepreneurial project. The idea is that the participant should be able to utilize the three sections to create ideas, develop and debrief his/her own project which is developed in parallel with the programme.

**Courses**

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

The programme is in course form. The courses which are included can be found in the student handbook.

**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**

**Term enrolment**

A condition in order to participate in the studies is that the student, each spring and autumn completes term enrolment for the coming term. This is done via “Mina Sidor” on KTH’s website between November 1st and 15th and May 1st and 15th. When the term enrolment is completed, the student has declared his/her intention of participating in the programme. Only after this is it possible for the student to: - register for the term- register for courses- get reported results- have the possibility for student aid from CSN

**Course Selection**
During the autumn term in study year 1, the student chooses the optional courses within the programme. The selection is done on “mina sidor” on KTH’s website in the same manner as the term enrolment.

**Studies abroad**

Students in the programme do not have a possibility to carry out portions of the programme abroad.

**Recognition of previous academic studies**

The student has the possibility to apply to receive credit from courses taken at another university/higher education institution both in Sweden and from abroad. The application can be found on KTH’s website. KTH’s policy for recognition of previous academic studies can be found entirely in the KTH Regulations.

**Studies abroad**

Students in this programme have no possibility to carry out portions of the programme abroad

**Degree project**

KTH’s rules for the degree project for the Master’s degree with specialisation can be found in the KTH Regulations. Generally, the degree project work can be started only after a large portion of the studies have been completed.

KTH’s rules for the degree project can be found in the KTH Regulations.

### Degree

In order to be awarded the Degree of Master of Science (One Year) a passing grade must be achieved in all courses which are included in the programme. The programme comprises 60 higher education credits including a degree project consisting of 15 higher education credits.

KTH’s local degree ordinance can be found in KTH Regulations

*Appendix 1 - Course list*

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

Master's Programme, Entrepreneurship and Innovation Management, 60 credits (TEILM), Programme syllabus for studies starting in autumn 2009

**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>ME1000</td>
<td>Industrial Management</td>
<td>6.0</td>
<td>First cycle</td>
</tr>
<tr>
<td>ME2016</td>
<td>Project Management: Leadership and Control</td>
<td>6.0</td>
<td>Second cycle</td>
</tr>
<tr>
<td>ME2024</td>
<td>Industrial Marketing, Advanced Course</td>
<td>6.0</td>
<td>Second cycle</td>
</tr>
<tr>
<td>ME2034</td>
<td>Management of New Technology and Industrial Creativity</td>
<td>6.0</td>
<td>Second cycle</td>
</tr>
<tr>
<td>ME2036</td>
<td>Industrial Dynamics, Advanced Course</td>
<td>6.0</td>
<td>Second cycle</td>
</tr>
<tr>
<td>ME204X</td>
<td>Degree Project in Entrepreneurship and Innovation Management, Second Cycle</td>
<td>15.0</td>
<td>Second cycle</td>
</tr>
<tr>
<td>ME2800</td>
<td>Ideation - Creating a Business Idea</td>
<td>7.5</td>
<td>Second cycle</td>
</tr>
<tr>
<td>ME2801</td>
<td>Planning - Developing a Venture</td>
<td>7.5</td>
<td>Second cycle</td>
</tr>
</tbody>
</table>
Appendix 2: Specialisations

Master's Programme, Entrepreneurship and Innovation Management, 60 credits (TEILM), Programme syllabus for studies starting in autumn 2009

This programme has no specialisations.