Programme syllabus

Technical Preparatory Year
Tekniskt basår, KTH Södertälje
60.0 credits

Valid for students admitted to the education from autumn 12 (HT - Autumn term; VT - Spring term).

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

Programme objectives

The aim of the education is to broaden the skills for students who have completed upper-secondary school without the specific entry requirements that apply for technical and scientific educations.

The preparatory year is an access programme that connects to first-cycle programmes and to which the student is guaranteed a place from the beginning, given passed preparatory year. The preparatory year is adapted to the subsequent education and should, in addition to the broadening of the topic-specific skills, train the student's ability for university and higher education studies.

An additional aim of the preparatory year is to increase the amount of women in the mathematical-scientific and technical education. After the qualifying education, the student should:

Knowledge and understanding

• show knowledge in the scientific fields of mathematics, physics and chemistry

Skills and abilities

• show ability to, orally and in writing, account for and discuss simple scientific problems and solutions

Ability to make judgements and adopt a standpoint

• show ability for teamwork and cooperation in groups of different composition

Extent and content of the programme

The education comprises 1 year and 60 HE credits. It is at a preparatory level.
The programme has no specialisations.
The education is aim-oriented and the courses follow, in general, the course syllabi of upper-secondary school.

Eligibility and selection

General entry requirements for higher education and the specific entry requirement: Mathematics B, or equivalent, with at least a grade of Pass or 3.

Implementation of the education

Structure of the education

Academic year, semesters and study periods are described in KTH's regulatory framework, www.kth.se
Joint basic courses

The joint basic courses consist of courses in mathematics, physics and chemistry. Elective or optional courses are not available.

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.

Recognition of previous academic studies

A student who has completed an equivalent course on another university or higher education institution may credit the course in the programme with the grade E.

Degree

The education is an access programme and no degree is given from the programme.

If all courses of the preparatory year are passed, a place on one of KTH's civil or university engineering educations is guaranteed. The transition to a civil or university engineering education takes place through selection and is dependent on study results during the preparatory year. Observe that achieved credit points on Technical Preparatory Year may not be included in an engineering degree.

KTH's local degree ordinance can be found in KTH's regulatory framework. www.kth.se

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

Technical Preparatory Year (TBASE), Programme syllabus for studies starting in autumn 2012

**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>HN0006</td>
<td>Chemistry</td>
<td>9.0</td>
<td>Pre-university level</td>
</tr>
<tr>
<td>ML0012</td>
<td>Mathematics C</td>
<td>12.0</td>
<td>Pre-university level</td>
</tr>
<tr>
<td>ML0013</td>
<td>Mathematics D</td>
<td>6.0</td>
<td>Pre-university level</td>
</tr>
<tr>
<td>ML0014</td>
<td>Mathematics E</td>
<td>6.0</td>
<td>Pre-university level</td>
</tr>
<tr>
<td>ML0015</td>
<td>Physics A</td>
<td>9.0</td>
<td>Pre-university level</td>
</tr>
<tr>
<td>ML0016</td>
<td>Physics B</td>
<td>18.0</td>
<td>Pre-university level</td>
</tr>
</tbody>
</table>
Appendix 2: Specialisations

Technical Preparatory Year (TBASE), Programme syllabus for studies starting in autumn 2012

This programme has no specialisations.