Programme syllabus

Technical Preparatory Year
Tekniskt basår, KTH Flemingsberg
60.0 pre-education credits

Valid for students admitted to the education from autumn 20 (HT - Autumn term; VT - Spring term).

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

Programme objectives

The purpose of the education is to broaden the skills of students who left secondary school without the special permission required for technical and scientific education.

The technical preparatory year is a professional pre-formation related to the basic engineering courses at KTH and to which the student is guaranteed a place from the beginning, provided by the approved technical preparatory year.

The technical preparatory year training adapted to the subsequent training and, in addition to the widening of the subject-specific skills also train the students ability for universities and higher education.

Knowledge and understanding

After the completion of professional education, the student

- demonstrate knowledge in the scientific fields of mathematics, physics and chemistry

Skills and abilities

The student should:

- demonstrate the capacity for team work and collaboration in groups with different composition, and
- demonstrate the ability to verbally and in writing to explain and discuss the basic science, problems and solutions

Ability to make judgements and adopt a standpoint

- The student shall show the ability of independent and critical thinking
Extent and content of the programme

See information in the Swedish programme syllabus.

Eligibility and selection

See information in the Swedish programme syllabus.

Implementation of the education

Structure of the education

See information in the Swedish programme syllabus.

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

In connection with the compulsory enrollment, the student must register for courses via the "Personal Menu" at www.kth.se

Even for the next semester, students will register for courses via the "Personal Menu" at www.kth.se

Degree project

Degree Project is not included in the technical preparatory year.

Degree

The program gives eligibility for engineering programmes and will not lead to a degree.

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

Technical Preparatory Year (TBASA), Programme syllabus for studies starting in autumn 2020

**General courses**

**Year 1**

**Mandatory courses (60.0 Pre-education credits)**

<table>
<thead>
<tr>
<th>Course code</th>
<th>Course name</th>
<th>Credits</th>
<th>Edu. level</th>
</tr>
</thead>
<tbody>
<tr>
<td>HF0021</td>
<td>Mathematics for Technical Preparatory Year I</td>
<td>12.0 fup</td>
<td>Pre-university level</td>
</tr>
<tr>
<td>HF0022</td>
<td>Physics for Technical Preparatory Year I</td>
<td>9.0 fup</td>
<td>Pre-university level</td>
</tr>
<tr>
<td>HF0023</td>
<td>Chemistry for Technical Preparatory Year I</td>
<td>9.0 fup</td>
<td>Pre-university level</td>
</tr>
<tr>
<td>HF0024</td>
<td>Mathematics for Technical Preparatory Year II</td>
<td>12.0 fup</td>
<td>Pre-university level</td>
</tr>
<tr>
<td>HF0025</td>
<td>Physics for Technical Preparatory Year II</td>
<td>18.0 fup</td>
<td>Pre-university level</td>
</tr>
</tbody>
</table>
Appendix 2: Specialisations

Technical Preparatory Year (TBASA), Programme syllabus for studies starting in autumn 2020

This programme has no specialisations.