Programme syllabus

Technical Preparatory Year
Tekniskt basår, KTH Flemingsberg

*60.0 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**

The purpose of 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 trains the student’s 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**

The program includes 1 study year and 60 credits, and is at a preliminary level.

The program has no tracks.

The program follows the secondary school curriculum.

**Eligibility and selection**

Upper secondary school before 1 July 2011 and upper secondary education before July 1, 2012.
General admission requirements and specific admission requirements corresponding to Mathematics B with a grade of Pass or 3.

Upper secondary school from 1 July 2011 and upper secondary education as of July 1, 2012.

General admission requirements and specific admission requirements corresponding to Mathematics 2 with a grade of Pass.

For more information see KTH Handbook
http://intra.kth.se/regelverk/utbildning-forskning/grundutbildning/antagning

The technical preparatory year 60 credits is a professional education and provides guaranteed seat at the KTH Bachelor and Master of Science in engineering programs.

**Implementation of the education**

**Structure of the education**

The academic year is divided in terms and periods and is described in the KTH Handbook http://www.intra.kth.se/regelverk/utbildning-forskning/allmant/lasarets-forlaggnings-och-placering-1.27175

The program consists of mandatory basic courses in mathematics, physics and chemistry.

This program does not have any elective or optional courses.

**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**

Enrolment notification and term registration
Before every term, a term enrolment must be submitted between 1th – 15th of November for the spring term and between 1th – 15th of May for the fall term.

Your enrolment notification constitutes the foundation for the office`s planning and that you are registered for the programme.

Term registration is required in order for you study results to be registered and for CSN to distribute student aid.

Course registration is done before the third week of the course for the notified students who declared their intention to follow the course.

**Recognition of previous academic studies**

Students who read the corresponding course in another qualifying education at KTH can be eligibility of the course in the program with the same ratings by “change of course”. Otherwise there is no possibility of crediting.

**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 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>
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<td>Mathematics for Technical Preparatory Year I</td>
<td>12.0</td>
<td>Pre-university level</td>
</tr>
<tr>
<td>HF0022</td>
<td>Physics for Technical Preparatory Year I</td>
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<td>Pre-university level</td>
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<td>HF0023</td>
<td>Chemistry for Technical Preparatory Year I</td>
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<td>Pre-university level</td>
</tr>
<tr>
<td>HF0024</td>
<td>Mathematics for Technical Preparatory Year II</td>
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<tr>
<td>HF0025</td>
<td>Physics for Technical Preparatory Year II</td>
<td>18.0</td>
<td>Pre-university level</td>
</tr>
</tbody>
</table>
Appendix 2: Specialisations

Technical Preparatory Year (TBASA), Programme syllabus for studies starting in autumn 2015

This programme has no specialisations.