



# Programme syllabus

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

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*Valid for students admitted to the education from autumn 13 (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 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

## Extent and content of the programme

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

The program has no tracks.

The program follows the secondary school curriculum.

## Eligibility and selection

General admission requirements and specific admission requirements corresponding to Mathematics B with a grade of Pass or 3.

For more information see KTH Handbook <http://intra.kth.se/regelverk/utbildning-forskning/grundutbildning/antagning/bil-1-omradesbehorighet-sarskild-behorighet-1.49643>

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, periods, etc. and is described in the KTH Handbook 2, 4.2

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

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

- 1st-15th of May for the fall term
- 1st-15th of November for the spring 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 have read the equivalent course at another university or college can transfer credits from the course in to the program with a grade of E.

The complete KTH policy for recognition of previous academic studies is found in the KTH-handbook.

[http://intra.kth.se/regelverk/utbildning-forskning/grundutbildning/prestationer/policy-for-tillgodoraknande-av-hogskoleutbildning-inklusive-bedomning-av-reell-kompetens-1.27200?l=en\\_UK](http://intra.kth.se/regelverk/utbildning-forskning/grundutbildning/prestationer/policy-for-tillgodoraknande-av-hogskoleutbildning-inklusive-bedomning-av-reell-kompetens-1.27200?l=en_UK)

## **Degree project**

Degree Project is not included in the technical preparatory year.

## **Degree**

The program will give 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 (TBASD), Programme syllabus for studies starting in autumn 2013

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## General courses

### Year 1

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

Course code	Course name	Credits	Edu. level
<a href="#">IF0401</a>	<a href="#">Physics A</a>	9.0 fup	Pre-university level
<a href="#">IF0402</a>	<a href="#">Physics B</a>	18.0 fup	Pre-university level
<a href="#">IX0395</a>	<a href="#">Chemistry</a>	9.0 fup	Pre-university level
<a href="#">IX0401</a>	<a href="#">Mathematics C</a>	12.0 fup	Pre-university level
<a href="#">IX0402</a>	<a href="#">Mathematics D</a>	6.0 fup	Pre-university level
<a href="#">IX0403</a>	<a href="#">Mathematics E</a>	6.0 fup	Pre-university level



## Appendix 2: Specialisations

Technical Preparatory Year (TBASD), Programme syllabus for studies starting in autumn 2013

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This programme has no specialisations.