



# 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 16 (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 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.

**After the completion of professional education, the student should**

### Knowledge and understanding

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

### Skills and abilities

- demonstrate the capacity for team work and collaboration in groups with different composition
- 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, 60 credits, and is at a preliminary level.

The programme is given only in Swedish.

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

The program follows the secondary school curriculum to a large extent. The content and depth of knowledge is customized to prepare the student for higher education.

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.

## **Eligibility and selection**

The upper-secondary school before 1 July 2011 and adult education at upper-secondary level before 1 July 2012

General requirements and specific entry requirement: mathematics B the grade required is Passed or 3.

The upper-secondary school from 1 July 2011 and adult education at upper-secondary level from 1 July 2012 (Gy2011)

General requirements and specific entry requirement: Mathematics 2, the minimum grade required is E.

For admission, eligibility and selection principles, see KTH's admissions policy.

[http://intra.kth.se/regelverk/utbildning-forskning/grundutbildning/antagning?l=en\\_UK](http://intra.kth.se/regelverk/utbildning-forskning/grundutbildning/antagning?l=en_UK)

## **Implementation of the education**

### **Structure of the education**

The KTH academic year is 40 weeks, divided into four periods.

For details about the structure of the academic year see <http://www.kth.se/en/student/schema/>

### **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**

When the mandatory registration takes place, the student shall do a semester and course registration through the "personal menu" on [www.kth.se](http://www.kth.se)

Also when the next semester starts the student has to do a semester and course registration through the "personal menu" on *www.kth.se*

## **Recognition of previous academic studies**

Students who read the corresponding course in another qualifying education at KTH may include the course in the program with the same ratings by "change of course". Otherwise there is no possibility of credit transfer.

## **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 2016

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## General courses

### Year 1

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

Course code	Course name	Credits	Edu. level
<a href="#">KH0021</a>	<a href="#">Mathematics for Technical Preparatory Year I</a>	12.0 fup	Pre-university level
<a href="#">KH0022</a>	<a href="#">Physics for Technical Preparatory Year I</a>	9.0 fup	Pre-university level
<a href="#">KH0023</a>	<a href="#">Chemistry for Technical Preparatory Year I</a>	9.0 fup	Pre-university level
<a href="#">KH0024</a>	<a href="#">Mathematics for Technical Preparatory Year II</a>	12.0 fup	Pre-university level
<a href="#">KH0025</a>	<a href="#">Physics for Technical Preparatory Year II</a>	18.0 fup	Pre-university level

#### Supplementary information

Study year 1 consists of mandatory courses.



## Appendix 2: Specialisations

Technical Preparatory Year (TBASD), Programme syllabus for studies starting in autumn 2016

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This programme has no specialisations.