



Programme syllabus

Technical Preparatory Year
Tekniskt basår, KTH Campus
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 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

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.

[Appendix 1 - Course list](#)

[Appendix 2 - Programme syllabus descriptions](#)



Appendix 1: Course list

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

General courses

Year 1

Mandatory courses (60.0 Pre-education credits)

Course code	Course name	Credits	Edu. level
KH0021	Mathematics for Technical Preparatory Year I	12.0 fup	Pre-university level
KH0022	Physics for Technical Preparatory Year I	9.0 fup	Pre-university level
KH0023	Chemistry for Technical Preparatory Year I	9.0 fup	Pre-university level
KH0024	Mathematics for Technical Preparatory Year II	12.0 fup	Pre-university level
KH0025	Physics for Technical Preparatory Year II	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 2020

This programme has no specialisations.