



Programme syllabus

Technical Preparatory Semester
Tekniskt basår, termin 2, KTH Södertälje
30.0 pre-education credits

Valid for students admitted to the education from spring 12 (HT - Autumn term; VT - Spring term).

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

Programme objectives

The aim of the education is to broaden the skills for students who have completed upper-secondary school without the specific entry requirements that apply for technical and scientific educations.

The preparatory year, semester 2 is an access programme that connects to basic engineering programmes on KTH and to which the student is guaranteed a place from the beginning, given passed preparatory year, semester 2.

The preparatory year is adapted to the subsequent education and should, in addition to the broadening of the topic-specific skills, train the student's ability for university and higher education studies.

An additional aim of the preparatory year is to increase the amount of women in the mathematical-scientific and technical education. After the qualifying education, the student should:

Knowledge and understanding

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

Skills and abilities

- show ability to, orally and in writing, account for and discuss simple scientific problems and solutions

Ability to make judgements and adopt a standpoint

- show ability for teamwork and cooperation in groups of different composition

Extent and content of the programme

The education comprises 1 semester and 30 HE credits. It is at a preparatory level.

The programme has no specialisations.

The education is aim-oriented and the courses follow, in general, the course syllabi of upper-secondary school.

Eligibility and selection

Apart from the general entry requirements, the entry requirements are: Mathematics C, Physics A and Chemistry A (Science B does not qualify for admission). For each of the subjects, a grade of at least Pass or 3 is required.

Implementation of the education

Structure of the education

Academic year, semesters and study periods are described in KTH's regulatory framework, www.kth.se

Joint basic courses

The joint basic courses consist of courses in mathematics and physics.

Elective or optional courses are not available.

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.

Recognition of previous academic studies

A student who has completed an equivalent course on another university or higher education institution may credit the course in the programme with the grade E.

Degree

The education is an access programme and no degree is given from the programme.

If all courses of the preparatory year are passed, a place on one of KTH's civil or university engineering educations is guaranteed.

The transition to a civil or university engineering education takes place through selection and is dependent on study results during the preparatory year. Observe that achieved credit points on Technical Preparatory Year, semester 2 may not be included in an engineering degree.

KTH's local degree ordinance can be found in KTH's regulatory framework. www.kth.se

[Appendix 1 - Course list](#)

[Appendix 2 - Programme syllabus descriptions](#)



Appendix 1: Course list

Programme syllabus for studies starting in spring 2012, Technical Preparatory Semester (TBTMS)

General courses

Year 1

Mandatory courses (30.0 Pre-education credits)

Code	Name	Credits	Edu. level
ML0013	Mathematics D	6.0 fup	Pre-university level
ML0014	Mathematics E	6.0 fup	Pre-university level
ML0016	Physics B	18.0 fup	Pre-university level



Appendix 2: Specialisations

Programme syllabus for studies starting in spring 2012, Technical Preparatory Semester (TBTMS)

This programme has no specialisations.