



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 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 semester 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 semester.

The technical preparatory semester 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 be able to:

Knowledge and understanding

- demonstrate knowledge in the scientific fields of mathematics and physics

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, and

Ability to make judgements and adopt a standpoint

- show the ability of independent and critical thinking

Extent and content of the programme

The program includes 30 credits, 1 study semester, 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 C, Chemistry A and Physics A 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 3b or 3c, Chemistry 1 and Physics 1a or 1b1 and 1b2 with a grade of Pass.

For more information see www.kth.se

Implementation of the education

Structure of the education

The academic year is divided in terms and periods and is described in the regulations of KTH, www.kth.se.

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

Courses

The programme is course-based. Lists of courses are included in [appendix 1](#).

This program does not have any elective or optional courses.

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

Term enrolment is made on registration day. Course registration is made according to instructions from KTH.

Recognition of previous academic studies

Students who read the corresponding course in another qualifying education at KTH can be eligible 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 will not 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 Semester (TBTMS), Programme syllabus for studies starting in spring 2015

General courses

Year 1

Mandatory courses (30.0 Pre-education credits)

Course code	Course name	Credits	Edu. level
ML0024	Mathematics for Technical Preparatory Year II	12.0 fup	Pre-university level
ML0025	Physics for Technical Preparatory Year II	18.0 fup	Pre-university level



Appendix 2: Specialisations

Technical Preparatory Semester (TBTMS), Programme syllabus for studies starting in spring 2015

This programme has no specialisations.