



Faculty of Health, Science and Technology

Programme Study Plan

Preparatory Year (Technical and Natural Science Subjects)

Programme Code:	TNBAR
Programme Title:	Preparatory Year (Technical and Natural Science Subjects) Tekniskt - naturvetenskapligt basår
Credits:	60 ECTS
Programme approval:	The Programme Study Plan was approved by the Faculty Board of Health Science and Technology on 24 Oct. 2018, is effective from the autumn semester of 2019, and replaces the previous Programme Study Plan approved on 5 Nov. 2015.
Language of Instruction:	Swedish
Degree Level:	Preparatory
Degree Type:	This is a preparatory programme that does not lead to a degree.
Prerequisites:	General admission requirements and upper-secondary school level Mathematics B or according to GY11 Mathematics 2a, 2b or 2c.

Introduction

The preparatory year is an educational preparation regulated in a special ordinance (SFS 2018:1519).

The preparatory year in technical and natural science subjects at Karlstad University aims to provide the knowledge required for admission to technological and science programmes in higher education. Students who pass the preparatory year courses are guaranteed admission to one of the undergraduate engineering or natural science programmes and to some teacher training programmes at Karlstad University. The number of places on some programmes may be limited.

Programme Aims

The aim is that students upon completion of the programme should be well prepared for further studies in their chosen fields and should be able to demonstrate the equivalent knowledge in mathematics, physics, chemistry and biology that is required for continued study in technological and natural science programmes (i.e. upper-secondary school level (GY 11) Mathematics 3 and 4, Physics 1 and 2, Chemistry 1 and 2, Biology 1 and 2). This includes being able to report their solutions in a clear and structured manner, as well as planning, conducting and evaluating natural science experiments.

Programme Structure

This is a forty-week, full-time study programme. Instruction is in the traditional academic formats of lectures, lessons, laboratory sessions, seminars, group work and examinations. The subjects are studied concurrently.

Programme Content

Autumn Semester

The programme comprises the following courses, which are studied concurrently during the autumn semester.

The mathematics courses are taken after each other over the autumn semester, while the courses in physics and chemistry are taken over the whole semester:

Mathematics Preparatory A	7.5 ECTS cr.
Physics Preparatory A	7.5 ECTS cr.
Chemistry Preparatory A	7.5 ECTS cr.
Mathematics Preparatory B	7.5 ECTS cr.

Spring Semester

Students doing the preparatory year in technical and natural science subjects at Karlstad University may select one of five different course packages (see below). The package is selected during the autumn semester application period. The courses in the packages below are studied concurrently in each study period at 50% pace:

	Study period 1	Study period 2	Fulfils admission requirements equivalent to	For subsequent study programmes
Course package I	Mathematics Preparatory C	Mathematics Preparatory D	Mathematics 4, Physics 2, Chemistry 1	Engineering (bachelor and master programmes); Secondary Education programme: Mathematics–Physics
	Physics Preparatory B	Physics Preparatory C		
Course package II	Mathematics Preparatory C	Mathematics Preparatory D	Mathematics 4, Physics 1, Chemistry 2	Bachelor programme in Chemistry; Secondary Education programme: Mathematics–Chemistry
	Physics Preparatory B	Chemistry Preparatory B		
Course package III	Mathematics Preparatory C	Mathematics Preparatory D	Mathematics 4, Biology 2, Chemistry 1	Bachelor programme in Biology; Secondary Education programme: Mathematics–Biology
	Biology Preparatory A	Biology Preparatory B		
Course package IV	Mathematics Preparatory C	Mathematics Preparatory D	Mathematics 4, Biology 1, Chemistry 2	Secondary Education programme: Mathematics–Chemistry
	Biology Preparatory A	Chemistry Preparatory B		
Course package V	Mathematics Preparatory C	Chemistry Preparatory B	Mathematics 3c, Biology 2, Chemistry 2	Bachelor programme in Biology; Secondary Education programme: Biology
	Biology Preparatory A	Biology Preparatory B		

The number of places on some course packages may be limited. Any selection is based on the applicants' merit rating and/or results of the Swedish Scholastic Aptitude Test.

Study period 1 falls in the first half of the spring semester, and study period 2 in the second half.

Degree Title

This is a preparatory programme and does not meet the requirements for any degree.

Credit Transfer

Students may transfer credits from previously completed university courses subject to approval and current regulations.

Additional Information

Each course is graded. One of the grades Pass (G) or Fail (U) is awarded in the examination of the courses. These grades cannot be used to supplement earlier upper-secondary school grades and can only be used as grounds for assessment of equivalent qualifications in application for university admission.

Students are guaranteed a place on one of the study programmes in technology, mathematics and natural sciences, and some teacher training programmes offered at Karlstad University, provided that they have successfully completed the preparatory year for technical and natural science subjects and meet any other requirements at the latest on the last day of supplementary qualification submissions in the application period for the autumn semester. The number of places on some programmes may be limited. Any selection is based on applicants' merit rating and/or results of the Swedish Scholastic Aptitude Test.

Upon completion of the preparatory year, a certificate specifying the qualification requirements that the student has met is issued. The qualifications earned can be used to meet corresponding entry requirements of other higher education programmes.

The local regulations for first and second cycle education at Karlstad University stipulate the obligations and rights of students and staff.