



## Programme syllabus

Faculty of Technology

Tekniskt/naturvetenskapligt basår, 60 förutbildningspoäng  
Engineering/Natural Sciences, Foundation year, 60 pre-education credits

### **Level**

Pre-university level

### **Date of Ratification**

Approved by Faculty of Technology 2013-11-08

Revised 2020-12-21

The programme syllabus is valid from autumn semester 2021

### **Prerequisites**

General entry requirements and Mathematics B or Mathematics 2a / 2b / 2c.

## Description of Programme

The Engineering/Natural Sciences, Foundation year is a program offering foundation courses in accordance with the regulations concerning pre-university and pre-university college courses that provide eligibility to study at university and university college level, SFS 2018:1519.

The purpose of the foundation year is to enable students to achieve required upper secondary school competence. Linnæus University wants to come into contact with new groups and enhance the competence of these students before they begin their university level studies. An additional aim is also to recruit more highly qualified students to natural sciences and engineering. The program has a flexibility to be able to meet students with varying previous knowledge from upper secondary school or adult secondary education.

Linnæus University's foundation courses provide competence equivalent to upper secondary school level. Guaranteed places are offered to a number of natural science and engineering programmes as well as some teaching programmes at Linnæus University.

The program has two specializations:

- Natural Sciences
- Engineering

## Objectives

After completing the program the student will be well prepared for study at the University in Natural Science and Engineering.

## Content

The Foundation year provides eligibility equivalent to physics, chemistry, biology and mathematics at the upper secondary school level on the Natural Science program.

The program comprises one year of full-time studies (40 weeks).

The program consists of a block of preparatory courses and advanced elective courses. Students choose courses in consultation with the program coordinator so that the required prerequisites are obtained.

Program courses

### **Specialization Natural Sciences**

#### *Foundation courses*

Biology, Preparatory Course 1, 7.5 preeducation credits

Physics, Preparatory Course 1, 12 preeducation credits

Mathematics, Preparatory Course 3, 15 preeducation credits

Chemistry, Preparatory Course 1, 7.5 preeducation credits

#### *Advanced Elective Courses*

Biology, Preparatory Course 2, 7.5 preeducation credits

Physics, Preparatory Course 2, 7.5 preeducation credits

Mathematics, Preparatory Course 4, 7.5 preeducation credits

Chemistry, Preparatory Course 2, 7.5 preeducation credits

### **Specialization Engineering**

Technology, Preparatory Course 1, 7.5 preeducation credits

Technology, Preparatory Course 2, 7.5 preeducation credits

Physics, Preparatory Course 1, 12 preeducation credits

Mathematics, Preparatory Course 3, 15 preeducation credits

Chemistry, Preparatory Course 1, 7.5 preeducation credits

#### *Advanced Elective Courses*

Physics, Preparatory Course 2, 7.5 preeducation credits

Mathematics, Preparatory Course 4, 7.5 preeducation credits

Chemistry, Preparatory Course 2, 7.5 preeducation credits

### Work Experience

Students get an understanding of working life through information from the program coordinator for the different educational programs in Natural Science and Engineering.

## Quality Development

Written evaluations are made at the end of each course. The results of the evaluations are presented in course reports, which are filed in the department's archives. The results of the previous year's evaluations and possible follow-up actions are communicated to the person responsible for the course and to those studying at the start of each course respectively. The entire programme is evaluated at the end of the year by the person responsible for the programme.

## Degree Certificate

The program is a pre-university and no degree is awarded.

### **Other Information**

A passing grade on at least 2/3 of the foundation year (at least 40 preeducation credits) gives a guarantee spot to a number of Natural Science and Technology program at Linnaeus University, provided that the student meets the eligibility requirement for the program. The number of guaranteed spots available in certain programs may be limited. If the number of applicants from the foundation year exceeds the number of spots available a selection will be made based on the applicant's upper secondary school results. The decision on which programs have guaranteed spots from the foundation year and other terms are made by the Faculty board.