

# Road Engineering

Programme course

6 credits

Vägprojektering

TNBI85

Valid from: 2020 Spring semester

**Determined by**  
Board of Studies for Mechanical  
Engineering and Design

**Date determined**  
2019-09-23

## Main field of study

Civil Engineering

## Course level

First cycle

## Advancement level

G2X

## Course offered for

- Bachelor of Science in Civil Engineering

## Entry requirements

Note: Admission requirements for non-programme students usually also include admission requirements for the programme and threshold requirements for progression within the programme, or corresponding.

## Prerequisites

Mathematics and Mechanics. Basic knowledge of geodesy.

## Intended learning outcomes

The course intends to give a basic knowledge in construction of roads and streets. After completing this course students should:

- Explain traffic studies and data collection.
- Describe impact of road traffic facilities
- Describe road materials
- Describe construction and supervision.
- Design of a traffic facility

## Course content

Generation of Traffic. Traffic Measurement. Road Design. Road Construction. Road Management.

## Teaching and working methods

Teaching consists of lectures

## Examination

TEN1	Written examination	4 credits	U, 3, 4, 5
LAB1	Laboratory work	2 credits	U, G

## Grades

Four-grade scale, LiU, U, 3, 4, 5

## Other information

### About teaching and examination language

The teaching language is presented in the Overview tab for each course. The examination language relates to the teaching language as follows:

- If teaching language is Swedish, the course as a whole or in large parts, is taught in Swedish. Please note that although teaching language is Swedish, parts of the course could be given in English. Examination language is Swedish.
- If teaching language is Swedish/English, the course as a whole will be taught in English if students without prior knowledge of the Swedish language participate. Examination language is Swedish or English (depending on teaching language).
- If teaching language is English, the course as a whole is taught in English. Examination language is English.

### Other

The course is conducted in a manner where both men's and women's experience and knowledge are made visible and developed.

The planning and implementation of a course should correspond to the course syllabus. The course evaluation should therefore be conducted with the course syllabus as a starting point.

## Department

Institutionen för teknik och naturvetenskap

## Director of Studies or equivalent

Dag Haugum

## Examiner

Madjid Taghizadeh

## Course website and other links

## Education components

Preliminary scheduled hours: 32 h

Recommended self-study hours: 128 h

## Course literature

### Compendia

LTH, Kompendium i vägbyggnad

M.Taghizadeh (Red.), Kompendium i vägutformning