

# Road Engineering

Programme course

6 credits

Vägprojektering

TNBI85

Valid from: 2018 Spring semester

**Determined by**

Board of Studies for Mechanical  
Engineering and Design

**Date determined**

**Offered for the last time**

Spring semester 2022

**Replaced by**

TNBJ43

## Main field of study

Civil Engineering

## Course level

First cycle

## Advancement level

G2X

## Course offered for

- Civil Engineering, B Sc in 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

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

## Grades

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

## 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

Taghizadeh, Madjid: Kurspärm i väg- och trafikteknik