

Road Engineering

Programme course

6 credits

Vägprojektering

TNBI85

Valid from: 2019 Spring semester

Determined by
Board of Studies for Mechanical
Engineering and Design

Date determined
2018-08-31

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

| | | | |
|------|---------------------|-----------|------------|
| 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

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