

# Computer Aided Building Design

Programme course

8 credits

Datorstödd byggprojektering

TNBI34

Valid from: 2019 Spring semester

**Determined by**

Board of Studies for Mechanical  
Engineering and Design

**Date determined**

2018-08-31

**Offered for the last time**

Autumn semester 2021

**Replaced by**

TNBJ27

## 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

Structural Mechanics and Strength of Materials, Concrete Structures and Geo Construction and Timber and Steel Structures

## Intended learning outcomes

The course intends to give the students basic knowledge about

- planning and perform a project work regarding design the structures of an industrial building
- computer aided design (CAD)

## Course content

One project work which content design of typical details from industrial building, like:

- different types of foundation
- different types of structures
- bracing to horizontal forces
- different types of concrete slabs
- design of gantry girders for overhead traveling cranes

## Teaching and working methods

In consultation with a teacher a project work is performed.

