



## 1. Title of the certificate – Yrkeshögskoleexamen <sup>1</sup>

Anläggningsingenjör med BIM-kompetens

## 2. Translated title of the certificate – Higher Vocational Education Diploma <sup>2</sup>

Construction Engineer specialising in BIM

## 3. Knowledge, skills and competence profile

The holder of the certificate has:

- Knowledge of urban planning, road and water planning and the planning processes for road and rail.
- Knowledge of handling 2D and 3D objects.
- Knowledge of different construction documents.
- Knowledge of different designs of installation structures.
- Knowledge of the basics of CAD.
- Knowledge of how coordinate systems in Sweden are structured in height and plan.
- Knowledge of mathematical and physical applications.
- Skills in reading drawings, document management, interpretation of technical construction data and follow-up.
- Skills in project planning.
- Skills in reading and handling map data.
- Skills in existing software for design and coordination as well as object-oriented working in BIM models.
- Skills in finding project-specific information in AMA.
- Skills in optimising material selection.
- Competence to understand the different stages of the structure of construction design.
- Competence to manage a BIM system so as to be able to make area and volume calculations, visualise for presentation materials and perform object management.
- Competence to be able to plan construction work in a traffic environment.
- Competence to carry out reporting according to SB11.
- Competence to troubleshoot and correct projected drawings.
- Competence to plan and order various measurement projects.

## 4. Range of occupations accessible to the holder of the certificate <sup>3</sup>

Construction Engineer, Construction Project Designer, Data Coordinator BIM, BIM Coordinator and Project Manager

<sup>1</sup> In the original language. | <sup>2</sup> If applicable. This translation has no legal status. | <sup>3</sup> If applicable.

The Certificate supplement provides additional information about the certificate and does not have any legal status in itself. Its format is based on the Decision (EU) 2018/646 of the European Parliament and of the Council of 18 April 2018 on a common framework for the provision of better services for skills and qualifications (Europass) and repealing Decision No 2241/2004/EC.

## 1. Official basis of the certificate

Name and address of the awarding institution	Authority providing accreditation / recognition of the certificate  The Swedish National Agency for Higher Vocational Education Box 145 721 05 Västerås, Sweden  <a href="http://www.myh.se">www.myh.se</a>
Level of the certificate (national or European) <sup>1</sup>  Level 5 in the National Qualifications Framework (SeQF) Level 5 in the European Qualifications Framework (EQF)	Grading scale / Pass requirements  Fail (icke godkänt – IG) Pass (Godkänt – G) Pass with distinction (Väl godkänt – VG)
Access to next level of education / training <sup>1</sup>	International agreements on recognition of qualifications <sup>1</sup>  The Higher Vocational Education Diploma requires a minimum of a Pass (Godkänt) in all courses.

### Legal basis

A Higher Vocational Education Diploma is awarded if the study programme comprises a minimum of 200 Higher Vocational Education credits (HVE credits). Five HVE credits correspond to one week of full-time studies.

## 2. Officially recognised ways of acquiring the certificate

Description of vocational education and training	Percentage of total programme (%)	Duration (/weeks)
College/education centre	%	weeks
Placement – learning in a work environment	%	weeks
Total duration of the education / training leading to the certificate		weeks

## 3. Additional information

### Entry requirements <sup>1</sup>

Entry requirement is successful completion of upper secondary education.

### More information (including a description of the national qualifications system)

For more information on higher vocational education, please visit the website of the Swedish National Agency for Higher Vocational Education: [www.myh.se](http://www.myh.se)

### National Europass Centre

[www.myh.se](http://www.myh.se)

<sup>1</sup> If applicable.