

1. Title of the certificate – Yrkeshögskoleexamen ¹

Digitaliseringsutvecklare Smarta hus

2. Translated title of the certificate – Higher Vocational Education Diploma ²

Digitalisation Specialist – Smart Buildings

3. Knowledge, Skills and Competence Profile

The holder of the certificate has:

Knowledge of various technical systems and solutions and how they are adapted and implemented in buildings to meet different organisations' needs for information, reporting and automation.

Knowledge of how IT/superordinate systems and Cloud services for properties are programmed and installed.

Knowledge of different system solutions and how they create value for property owners and organisations, as well as the purposes buyers pursue through these investments.

Knowledge of different types of communication protocols for building automation and how they are structured.

Knowledge of the different parts of the construction process.

Knowledge of methods for energy efficiency and climate-smart solutions.

Knowledge of standards, documentation, specifications, relevant laws, and directives.

Knowledge of energy optimisation of buildings with heat exchangers.

Knowledge of heat pumps, carbon dioxide control, and occupancy-based control of ventilation and lighting.

Knowledge of ensuring that safety requirements under the EMC Directive, the Low Voltage Directive, and the Machinery Directive are met.

Skills in programming, configuring, commissioning, and troubleshooting automation and IoT systems included in property installations.

Skills in creating HMI and SCADA solutions using web-based systems or traditional system platforms.

Skills in using sensors and IoT for monitoring via apps.

Skills in compiling data into a comprehensive overview so that the actual benefits can be realised.

Skills in building secure and robust systems.

Competence to independently propose how various automation and industrial IoT systems can be used with regard to a climate-smart, energy-efficient, and automated property.

Competence to propose solutions for energy-efficient, secure, and user-friendly properties.

Competence to assist different organisations in the specification and design of various solutions in Cloud applications.

Competence to assist different organisations in the work with climate-smart buildings through measurement, follow-up, and control using Cloud services.

4. Range of occupations accessible to the holder of the certificate ³

Digitalisation Developer for Smart Buildings, Consultant, Systems Developer, Technical Project Manager, and Entrepreneur/Installer in Security Technology and Integrated Installations in Properties

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

5. Official basis of the certificate

<p>Name and address of the awarding institution</p> <p>Lernia Utbildning AB Box 787 801 29 Gävle</p>	<p>Authority providing accreditation / recognition of the certificate</p> <p>The Swedish National Agency for Higher Vocational Education Box 145 721 05 Västerås, Sweden www.myh.se</p>
<p>Level of the certificate (national or European) ¹</p> <p>Level 5 in the National Qualifications Framework (SeQF) Level 5 in the European Qualifications Framework (EQF)</p>	<p>Grading scale / Pass requirements</p> <p>Fail (icke godkänt – IG) Pass (Godkänt – G) Pass with distinction (Väl godkänt – VG)</p>
<p>Access to next level of education / training ¹</p>	<p>International agreements on recognition of qualifications ¹</p> <p>The Higher Vocational Certificate requires a minimum of a Pass (Godkänt) in all courses.</p>

Legal basis

A Higher Vocational Education Certificate 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.

6. Officially recognised ways of acquiring the certificate

Description of vocational education and training	Percentage of total programme (%)	Duration (/weeks)
College/education centre	73 %	44 weeks
Placement – learning in a work environment	27 %	16 weeks
Total duration of the education / training leading to the certificate		60 weeks

7. Additional information

Entry requirements ¹

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

National Europass Centre

[National Europass Centres | Europass](#)

¹ If applicable.