



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

Automationstekniker, Inriktning drift och underhåll av digitala produktionssystem

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

Automation technician- Focus in operation and maintenance of digital productionsystems

### 3. Knowledge, Skills and Competence Profile

The holder of the certificate has:

Knowledge of automation, measurement, control and regulation technology.

Knowledge of PLC programming and HMI systems.

Knowledge of motor control, robotics, robot programming, maintenance, troubleshooting methodology and production technology.

Knowledge of electrical theory, electrical engineering, theoretical B-competence and electrical schematic reading.

Knowledge of occupational health and safety issues and safety regulations.

Knowledge of sustainable technology, industrial IT systems and production economics.

Skills in programming industrial control systems.

Skills in commissioning industrial measurement, control and regulation equipment.

Skills in monitoring and controlling equipment.

Skills in troubleshooting automated systems.

Skills in carrying out various electrical works in accordance with B authorisation.

Skills in applying different methods for condition monitoring and troubleshooting.

Skills in performing work according to safety systems to avoid risks of injury to personnel and equipment.

Skills in applying communication solutions within and between automation and robotic systems.

Skills in interpreting technical instructions, drawings, diagrams, manuals and maintenance documentation in both Swedish and English.

Skills in documenting electrical and automation systems according to applicable standards.

Competence in performing troubleshooting, fault rectification and commissioning of production lines.

Competence in carrying out maintenance work based on the factors of economy, sustainability, environment, quality and safety.

Competence in developing older technical functions in mechatronic systems.

Competence in driving continuous improvement and development work.

Competence in understanding and interpreting systems for condition-based maintenance.

Competence in troubleshooting complex automated systems.

Competence in performing preventive and corrective maintenance in automated systems.

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

Automation technician

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

## 5. Official basis of the certificate

### Name and address of the awarding institution

Lernia Utbildning AB  
Box 787  
801 29 Gävle

### Authority providing accreditation / recognition of the certificate

The Swedish National Agency for Higher Vocational Education  
Box 145  
721 05 Västerås, Sweden  
[www.myh.se](http://www.myh.se)

### 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 Certificate requires a minimum of a Pass (Godkänt) in all courses.

### 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  | 80 %                              | 64 weeks          |
| Placement – learning in a work environment                            | 20 %                              | 16 weeks          |
| Total duration of the education / training leading to the certificate |                                   | 80 weeks          |

## 7. 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

[National Europass Centres | Europass](#)

<sup>1</sup> If applicable.