



1. Title of the certificate – Yrkeshögskoleexamen ¹

Internationell vindkraftstekniker

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

International Wind Power Technician

3. Knowledge, Skills and Competence Profile

The holder of the certificate has:

Knowledge of the structure, function, operation and main components of energy production plants.

Knowledge of environmental impact as well as the advantages and disadvantages of energy storage.

Knowledge of forces in mechanical systems, strength of materials related to fasteners, and terminology for the field SS-EN 13306 in both Swedish and English.

Knowledge of safe electrical work, prevention of electrical accidents, the Work Environment Act, laws for the management and maintenance of electrical installations, risk elimination, evacuation and personal equipment.

Knowledge of direct current, single-phase and three-phase alternating current in electrical installations.

Knowledge of measurement, control and regulation systems in wind power plants and other installations.

Knowledge of the use of IT systems for condition monitoring, diagnostics, remote control and supervision.

Knowledge of factors affecting operational reliability in hydraulic systems.

Skills in producing simple machine drawings.

Skills in designing maintenance plans using maintenance software.

Skills in carrying out maintenance schedules related to corrective and preventive maintenance.

Skills in reflecting on vibration technology and its impact on machine condition.

Skills in, with some supervision, performing and rectifying faults in electrical and installation work as well as programming a PLC system and commissioning a control and regulation system.

Skills in understanding and interpreting simple hydraulic systems based on a hydraulic diagram.

Skills in performing basic installations of direct current, single-phase and three-phase alternating current in electrical installations.

Skills in performing and interpreting three-phase alternating current with simple power calculations.

Skills in performing measurements of temperature, level and pressure with some supervision.

Competence in analysing how energy conversion and energy production takes place during the operation of different plants.

Competence in critically evaluating measurement values.

Competence in performing and interpreting simple electrical diagrams and drawings as well as detecting and correcting errors.

Competence in taking responsibility for one's work and independently carrying out the design of electrical power installations in accordance with the rules, standards and laws prevailing in the electrical industry.

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

Wind Power Technician, Service Technician, Operation Technician, Service and Maintenance, Maintenance Technician, Maintenance Technician and Mechanic.

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

Level of the certificate (national or European) ¹

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 ¹

International agreements on recognition of qualifications ¹

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 %	48 weeks
Placement – learning in a work environment	20 %	12 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.