



1. Title of the certificate – Yrkeshögskoleexamen ¹

Internationell svetsspecialist

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

International Welding Specialist

3. Knowledge, Skills and Competence Profile

The holder of the certificate has:

Knowledge of different welding methods, materials, and their alloys.

Knowledge of adjacent professional and competence areas for visual testing, penetrant testing, magnetic particle testing, and ultrasonic testing.

Knowledge of health, safety, economics, and productivity in a welding workplace.

Knowledge of work processes, quality criteria, and pressure-loaded equipment.

Knowledge of welding reinforcement bars.

Knowledge of nondestructive testing, defects, acceptance levels, preparation, balancing, and series production.

Knowledge of the fundamentals of balancing paced flows and their advantages and disadvantages.

Skills in planning, performing, and quality-assuring specialised welding tasks using the correct method, equipment, and parameters.

Skills in solving complex problems within the profession and preventing corrosion.

Skills in analysing opportunities and risks when welding different materials.

Skills in performing measurement, inspection, and documentation during welding.

Skills in identifying and explaining the causes of cracks and fractures.

Skills in selecting the correct joints for welding and brazing for the appropriate type of load, and in making accurate calculations of the forces acting on welded joints.

Skills in reading phase diagrams and performing heat treatment of base materials and welded joints.

Skills in producing an acceptable weld bead using different welding methods

Competence to independently carry out welding laboratory work.

Competence to perform strength assessments of new and older welding work.

Competence to supervise and prevent defects that may arise.

Competence to lead efficient and quality-assured welding operations.

Competence to use project management tools to create a Gantt chart.

Competence to select the correct inspection method based on drawings.

Competence to assess welds according to quality standards.

Competence to take responsibility for welding operations within a company.

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

International Welding Specialist

Welding Supervisor

Welding Coordinator within Manufacturing and Construction

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	79 %	38 weeks
Placement – learning in a work environment	21 %	10 weeks
Total duration of the education / training leading to the certificate		48 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.