



CERTIFICATE SUPPLEMENT (*)



SWEDEN

1. CERTIFICATE TITLE

Kvalificerad Yrkeshögskoleexamen

Elingenjör

2. TRANSLATION OF CERTIFICATE TITLE

Advanced Higher Vocational Education Diploma in

Power Planning Engineer

This translation has no legal status

3. SKILLS AND KNOWLEDGE PROFILE

The holder of this document has

- Knowledge of electrical power systems, safety, basic electricity and relevant regulatory requirements.
- Knowledge of electrical power and lighting design using CAD.
- Knowledge of using PLC for automation programming for industrial purposes.
- Knowledge of power supply systems and electrical appliances and how to calculate their use.
- Knowledge of Swedish and English terminology and how to run a project.
- Knowledge of Relevant sections of construction law, quality and environmental assurance, environmental impact and economics.
- Skills to calculate basic electricity, production, transmission and distribution needs.
- Skills to choose applications and make calculations for electrical machinery and power electronics.
- Skills in personal safety, work environment and regulatory requirements.
- Skills in programming PLC systems that meet present regulations.
- Skills to use and understand components.
- Skills to use calculations to create designs using CAD.
- Skills to calculate, construct, dimension, plan and understand safety, environmental and economics.
- Skills to manage a project from start to finish.
- Skills in basic construction law, quality and environmental assurance.
- Skills to use the correct terminology in spoken and written Swedish and English.
- Competence to work with electrical and/or automatic design, engineering or calculation.
- Competence to work as a project manager in the profession.
- Competence to present a high level of knowledge concerning quality and security.
- Competence to work with matters such as sustainable development and entrepreneurship.

4. PROFESSIONS AVAILABLE FOR THE HOLDER OF THE CERTIFICATE

Power Planning Engineer/Technician working with electrical or automatic design or construction, calculation or installation and Project Manager for electrical, power, industrial or consultancy companies

5. OFFICIAL STATUS OF THE CERTIFICATE

Name and address of the awarding institution	Name and address of the public authority issuing awarding entitlement to education providers
	The Swedish National Agency for Higher Vocational Education Box 145, 721 05 Västerås Sweden www.myh.se
Diploma level (national or international designation)	Grading scale
SEQF/EQF:	Fail (Icke godkänt - IG) Pass (Godkänt - G) Pass with Distinction (Väl godkänt - VG)

6. OFFICIALLY RECOGNISED MANNER OF OBTAINING THE DIPLOMA

Description of vocational education and training received	Per cent of whole programme (%)	Length (weeks)
• College/education centre		weeks
• Placement – Learning in a work environment		weeks
Total teaching/study duration resulting in diploma		weeks
Further information		
The Higher Vocational Education Diploma requires a minimum of a Pass (Godkänt) in all courses. Five HVE credits correspond to one week of full-time studies.		
A Higher Vocational Education Diploma is awarded if the study programme comprises a minimum of 200 Higher Vocational Education credits (HVE credits).		
An Advanced Higher Vocational Education Diploma is awarded if the study programme comprises a minimum of 400 HVE credits, at least one quarter of programme time is spent on student placement, and the student has completed an independent project.		
Entry requirement is successful completion of upper secondary education.		
For more information on higher vocational education, please visit the website of the Swedish National Agency for Higher Vocational Education: www.myh.se		

(*) Explanatory notes

This document is intended to provide additional information about the specified diploma and has no legal status in itself. It is based on Council Resolution 93/C No. 49/01 of 3 December 1992 on the transparency and clarity of qualifications, Council Resolution 96/C 224/04 of 15 July 1996 on the transparency and clarity of vocational education certificates, and the European Parliament and Council Recommendation 2001/613/EC of 10 July 2001 on mobility within the Union of students, persons undergoing vocational training, volunteers, teachers and educators.

© European Communities, 2002