



CERTIFICATE SUPPLEMENT (*)



SWEDEN

1. CERTIFICATE TITLE

Yrkeshögskoleexamen

Avancerad CNC-tekniker, blått certifikat

2. TRANSLATION OF CERTIFICATE TITLE

Higher Vocational Education Diploma

**Advanced CNC Technician
with Intermediate Level Certification**

This translation has no legal status.

3. SKILLS AND KNOWLEDGE PROFILE

The holder of this document has

- Knowledge of the industry's work environment and safety.
- Knowledge of industrial technology (reading drawings, tolerances, measuring technology).
- Knowledge of methods to optimising the efficiency of production processes and for quality assurance.
- Knowledge of methods for managing working groups.
- Knowledge of CNC machine construction and their operation.
- Knowledge of the various FMS technology systems.
- Knowledge of the importance of machine maintenance.
- Knowledge of materials science and different processing methods.
- Knowledge of the importance of mathematics in the field.
- Skills in carrying out day to day machine maintenance.
- Skills in transferring drawings to ISO software and other company-specific software.
- Skills for providing reports in a relevant way, orally or in writing, in a work context.
- Skills in interpreting and reading established measurements and tolerances.
- Competence to understand and adapt the material's changes during loads, vibrations, tool wear or temperature changes when processing materials.
- Skills in installing fixtures.
- Skills in creating and optimising CNC programmes.
- Skills in addressing production problems, and providing support to and helping colleagues develop.
- Competence to work responsibly with a high capacity for cooperation on several levels of production.
- Competence to develop themselves and help colleagues develop in their professional roles.
- Competence to work independently on all stages of the work process, taking a piece of raw material from the drawing stage to a final product and ensuring that the work is quality assured and documented.
- Competence to carry out the work process in a financially sound and environmentally friendly way

4. PROFESSIONS AVAILABLE FOR THE HOLDER OF THE CERTIFICATE

CNC Engineer, Production Engineer – Machinery, Programmer – Machine tools.

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.

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