

Title of the qualification (FI)
Title of the qualification (SV)

Automaatioasentajan ammattitutkinto (FI)
Yrkesexamen f

Translated title of the qualification (EN)

Further Qualification for Automation Assemblers (EN)
This translation has no legal status.

Profile of skills and competences

Composition of the qualification

The common modules of the qualification are **general skills of automation assemblers and safety and risk management**. Candidates specialising in **process automation** must also take the **pneumatics, hydraulics, motor drives and PLC** module. In addition, they must either take **process automation installations** or **process competence, control engineering and measurement technology and automation systems**. Those specialising in **manufacturing automation** must also select the **mechatronics** and **electrical and control engineering** modules and either **manufacturing automation installations** or **electronics** and either **programmable logic control** or **computerised numerical control**. Those specialising in **building automation** must also select the following modules: **process competence**; **cabling, field equipment and installations and building automation systems**. In addition, they must take one of the following modules: **lighting control systems**; **heating, plumbing, ventilation and refrigeration systems** and **building information systems**. In addition, candidates may take the **entrepreneurship** module.

Vocational skills and competences required for completion of the qualification

Those who have completed the qualification shall:

- know how to perform automation tasks relating to process or manufacturing or building automation independently and as members of working groups in compliance with effective regulations and instructions
- be familiar with graphical symbols used in their own area of automation
- be able to read automation diagrams and other drawings relating to the system
- be capable of making the necessary changes to automation diagrams and be familiar with relevant handling procedures
- be capable of making use of English-language documents in accordance with practices in the field
- know how to work in a customer-focused and economical manner and to a high quality standard
- be able to make use of IT equipment and software
- hold a valid certificate for Electrical Safety Code Examination 3, the hot work card, electrical safety training conforming to standard SFS 6002 and relevant first aid training

Range of occupations accessible to the holder of the certificate

Those who have completed the qualification may work in demanding installation, implementation, maintenance and servicing assignments related to the control, adjustment and monitoring equipment of automatic machinery and systems.

(*) Explanatory note

This document is designed to provide additional information about the specified certificate and does not have any legal status in itself. The format of the description is based on the following texts: Council Resolution 93/C 49/01 of 3 December 1992 on the transparency of qualifications, Council Resolution 96/C 224/04 of 15 July 1996 on the transparency of vocational training certificates, and Recommendation 2001/613/EC of the European Parliament and of the Council of 10 July 2001 on mobility within the Community for students, persons undergoing training, volunteers, teachers and trainers. More information on transparency is available by going to: www.cedefop.eu.int/transparency
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Official basis of the certificate	
<p>Name and status of the body awarding the certificate</p> <p><i>The qualification certificate is awarded by the Qualification Committee appointed by the National Board of Education.</i></p>	<p>Name and status of the national/regional authority providing accreditation/recognition of the certificate</p> <p><i>Ministry of Education National Board of Education, a central administrative board operating under the auspices of the Ministry of Education</i></p>
<p>Level of the certificate (national or international)</p> <p><i>EU classification level 3 Upper secondary level, ISCED 3</i></p>	<p>Grading scale/pass requirements</p> <p><i>Pass/fail</i></p>
<p>Access to the next level of education/training</p> <p><i>Confers eligibility to continue in non-university higher education, i.e. ammattikorkeakoulu/yrkeshögskola/polytechnic studies in a similar field.</i></p>	<p>International agreements</p>
<p>Legal base</p> <p><i>Vocational Adult Education Act (631/1998); Vocational Adult Education Decree (812/1998)</i></p>	

Officially recognised ways of obtaining the certificate
<p><i>The qualification is obtained by demonstrating vocational skills in competence tests. National qualification requirements have been defined in core curricula drawn up by the National Board of Education. Education and training leading to the qualification is arranged when necessary. This involves drawing up an individual study plan which includes a learning plan and a competence test plan.</i></p>
<p>Entry requirements</p> <p><i>Qualifications may be completed irrespective of how the vocational skills and competences have been obtained.</i></p> <p>Additional information</p> <p><i>The organisation and supervision of competence tests is the responsibility of Qualification Committees. The Qualification Committees represent employers, employees, teachers and, when necessary, entrepreneurs in the field.</i></p> <p>National reference point (NRP) National Board of Education P.O. Box 380 FI-00531 Helsinki, Finland recognition@oph.fi More information (including a description of the national qualifications system) is available by going to: www.oph.fi/info/recognition</p>