

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

Tieto- ja tietoliikennetekniikan perustutkinto
Grundexamen i datateknik och datakommunikationsteknik
Qualification requirements entered into force on 01.08.2018 (OPH-2652-2017)

Translated title of the qualification (EN)

Vocational Qualification in Information and Telecommunications Technology

This translation has no legal status.

Profile of skills and competences**Composition of the qualification**

The scope of the vocational qualification in information and telecommunications technology is 180 competence points. The qualification is composed of vocational units (145 competence points) and common units (35 competence points). Of the vocational units, the scope of compulsory units is 105 competence points and the scope of optional units 40 competence points.

The qualification titles produced by the vocational qualification in information and telecommunications technology are Electronics Assembler and ICT Technician.

Vocational skills and competences required for completion of the qualification

Holders of a vocational qualification in information and telecommunications technology have versatile vocational skills. They are reliable, capable of working independently, quality conscious, service-oriented, and co-operative, and they use their initiative. They are able to apply the knowledge and skills they have learned in changing workplace situations. They can see their work as part of a larger whole and take the tasks of professionals working in closely related fields into account in their work. Professionals of the sector work in accordance with the relevant quality requirements, operating equipment and handling materials carefully and economically. They know how to plan their work following drawings and work instructions, produce calculations of material and work costs related to their work, and present and evaluate their work.

The vocational qualification in information and telecommunications technology provides the candidates with the basic competence needed for production, installation, service, and maintenance tasks in the sector. Internalising working methods compliant with occupational, electrical, and electrical work safety is essential for professionals in this sector. Professionals must understand the non-disclosure regulations associated with computing and software and master the basics of information technology. They must know how to handle hardware and components in compliance with the ESD protection requirements.

Basic training in information and telecommunications technology provides the students with good capabilities for developing themselves and their vocational skills further as well as for operating in the information society.

Range of occupations accessible to the holder of the certificate

Electronics Assemblers who have completed a vocational qualification in information and telecommunications technology are able to carry out testing, repair, and commissioning tasks associated with electronics production, or installation, maintenance, and customer service work related to various electronics industry applications. Key competence areas are production

automation operating tasks and testing of the manufactured products, or electronic device installation and service tasks.

ICT Technicians who have completed a vocational qualification in information and telecommunications technology know how to install and commission computer hardware and telecommunications devices. Key competence areas are telecommunications devices and computer hardware for homes and business premises and installing and configuring them according to user requirements.

Official basis of the certificate	
<p>Name and status of the body awarding the certificate An education provider with an authorisation to provide education and award qualifications granted by the Ministry of Education and Culture.</p>	<p>Name and status of the national/regional authority providing accreditation/recognition of the certificate Ministry of Education and Culture Finnish National Agency for Education, the national agency subordinate to the Ministry of Education and Culture</p>
<p>Level of the certificate (national or international) National Qualifications Framework (nqf) 4 European Qualifications Framework (eqf) 4 ISCED 3</p>	<p>Grading scale/Pass requirements Satisfactory 1 / Satisfactory 2 / Good 3 / Good 4 / Excellent 5</p>
<p>Access to the next level of education/training The qualification confers eligibility for higher education studies.</p>	<p>International agreements</p>
<p>Legal basis Vocational Education and Training Act 531/2017 and the decrees that complement it.</p>	

Officially recognised ways of obtaining the certificate
<p>The vocational skills required for completing the modules are demonstrated by performing practical tasks in authentic situations and work processes (demonstration of knowledge and skills). The student's knowledge and skills are assessed diversely by a teacher and a working life representative and compared to the competence defined in the qualification requirements. The education provider awards the student a qualification certificate once the qualification has been completed acceptably in accordance to the qualification requirements laid down by the Finnish National Agency for Education.</p>
<p>Entry requirements No formal qualifications are required to take the competence test.</p>
<p>Additional information Finnish National Agency for Education P.O. Box 380, FI-00531 Helsinki, Finland www.oph.fi</p>

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.

For more information on transparency, visit <http://www.cedefop.europa.eu/en/themes/understanding-qualifications>

