



CERTIFICATE SUPPLEMENT (*)



1. TITLE OF THE CERTIFICATE (EN)

Electro-mechanic technician

2. TRANSLATED TITLE OF THE CERTIFICATE (IS)

Rafvélavirki – rafvélavirkjun

This translation has no legal status

3. PROFILE OF SKILLS AND KNOWLEDGE

The holder

- works on electric installations and looks after the maintenance of electric installations, equipment and electrical devices in buildings and vessels on sea and land according to current standards and regulations
- is familiar with electrical equipment and is able to install and look after the maintenance of any electrical equipment, machines, industrial control equipment and control equipment in homes and companies
- services and looks after the maintenance of electronic machines and equipment as well as new installations and the running of electronic systems in vehicles on land and sea
- reads electrical installation and stator diagrams in order to install, locate faults or maintain electrical devices and is able to use the diagrams to explain the function of the equipment. Is able to plan and draw rotor and stator windings and calculate quantities and plan projects based on the drawings. Is able to construct and wind rotor and stator windings of electrical motors
- has good knowledge of excitation winding and understands the winding methods of electrical equipment and transformers. Has good knowledge of voltage control and protective equipment of electrical motors
- has fundamental knowledge of the mechanism and application of computer systems, knows the most common concepts of lighting technology and can establish lighting requirements in different circumstances
- is able to use the appropriate measuring devices in his work and locate faults and repair electronic devices and equipment as well as inspect rotor and stator windings
- ensures safety and uses the appropriate safety precautions for electrical trade and knows which regulatory agency is responsible for monitoring control and security affairs
- is able to determine which technique is suitable under different circumstances and rationalise his recommendation.

4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE CERTIFICATE

Electro-mechanic technicians work on installations, connection, maintenance and repair of any type of motors and electrical equipment in homes, companies and institutions. They also look after maintenance and repair of machinery used in the production of electricity. Those who have earned a journeyman's certificate issued by the Minister of Industry and Innovation are authorised to work as electro-mechanic technicians.

(*) 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 further information visit: www.cedefop.eu.int/transparency ©European Union 2002

5. OFFICIAL BASIS OF THE CERTIFICATE

Name and status of the body awarding the certificate An Icelandic upper secondary school operating on the basis of the Upper Secondary School Act and the National Curriculum for Upper Secondary Schools, issued by the Minister of Education, Science and Culture.	Name and position of governing body or region that looks after certifying or confirming the certificate The Ministry of Education, Science and Culture
Level of the certificate (national or international) Upper secondary school level Isced 3 Icelandic Qualifications Framework (ISQF) Level 3 – EQF Level 4	Grading scale / Pass requirements 1-10 Passing grade 5.
Examples of further educational opportunities Studies for master of crafts examination, additional studies for matriculation or technical studies	International agreements
Legal basis The Upper Secondary School Act no. 92/2008, regulation regarding journeyman's examination no. 698/2009 The Industrial Act no. 42/1978 and regulations on Authorised Branches of Industry no. 940/1999	

6. FRAMEWORK AND ORGANISATION OF TRAINING

The average duration of the education and training programme is four years as follows: Formal education for six school terms, or 108 weeks including examinations and 48 weeks of on-the-job training. The programme concludes with a journeyman's examination.

Entry requirements

To have passed final exams of compulsory education

Additional information

Further information may be found on <http://eng.menntamalaraduneyti.is>

National reference point

The Ministry of Education, Science and Culture, <http://eng.menntamalaraduneyti.is>