



CERTIFICATE SUPPLEMENT (*)



1. TITLE OF THE CERTIFICATE (EN)

Industrial mechanic, industrial mechanics

2. TRANSLATED TITLE OF THE CERTIFICATE (IS)

Vélvirki

This translation has no legal status.

3. DESCRIPTION OF KNOWLEDGE AND SKILLS

The holder

- is familiar with the construction of engines, power trains and ancillary systems and evaluates their condition. Installs and checks security systems, looks after their maintenance, measures and repairs
- selects material for metal construction based on their qualities, usage and appropriateness. Is able to work from diagrams and use handheld tools and machines for metalwork
- performs t-joint welding using a rod MAG and TIG on iron and steel and MIG and TIG on aluminium. Is familiar with arc welding, security measures, welding variables and welding of stainless steel and aluminium. Knows the professional requirements of metal welders. Is able to perform gold and silver welding. Looks after the maintenance of metal construction machinery and provisions
- is able to read drawings of piping systems, install piping systems, test them and assess the finishing
- understands the operation of combined control systems that run on liquid, air and electricity in machines that use these systems equally. Installs and looks after the maintenance of control systems that use liquids, air and electricity
- installs and services transport systems such as conveyer belts, pneumatic systems, service lifts, raw material pumps and passenger lifts
- gives joints the final finish after welding, is familiar with the work method of pre- and post-heating and high voltage resistance heating.
- adheres to safety precautions for electrical installations and equipment, pressure cartridges and gas installations. Produces safety regulations and adheres to rules on the handling of hazardous materials and waste.

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

Industrial mechanics work on installation and maintenance of any machinery and technical equipment and transport systems on ships, in processing plants, industrial machinery, factories, power plants and power substations. They plan preventative maintenance and monitor the condition of machinery. Industrial mechanics work in manufacturing and construction companies as well as shipyards. Authorised to work as industrial mechanics are those who have earned a journeyman's certificate in industrial mechanics, issued by the Minister of Industry and Innovation.

(*) 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 at: www.cedefop.eu.int/transparency

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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 ISQF Level 3 – EQF Level 4.	Grading scale / Pass requirements 1-10 Passing grade 5.
Access to next level of education/training Additional studies for matriculation, studies for a master examination 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, organised as follows: formal education for six school terms including examinations and 60 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 www.menntamalaraduneyti.is

National reference point

The Ministry of Education, Science and Culture, www.menntamalaraduneyti.is