

1. Name of the Certificate ¹

Field of study 2683 H 17 electrical mechanic – cooling equipment and heat pumps

2. Translated title of the Certificate ²

Učebný odbor 2683 H 17 elektromechanik - chladiace zariadenia a tepelné čerpadlá (sk)

3. Profile of skills and competences

The holder of the certificate is able to:

- to act independently in social and professional life,
- to express themselves in the official language and one foreign language in written and spoken form,
- to apply the basic principles of financial literacy, consumer protection and to understand business and the world of work,
- to use information and communication technologies to solve practical tasks,
- to work in diverse groups, to cooperate in a team, to organise their work,
- to act environmentally with regard to a sustainable development strategy,
- to apply the principles of occupational health and safety and environmental protection,
- to read technical drawings, diagrams, work tutorials, to understand technical documentation, standards, regulations and to keep operational-technical documentation,
- to work in accordance with approved procedures, to comply with technical rules and work discipline, technical and technological standards, including hygiene-related and safety and preventative measures, to secure workplace in terms of occupational safety,
- to select and prepare tools, instruments, machines and equipment necessary for assembly, disassembly, testing and repair of electrical and electronic parts of cooling equipment and heat pumps,
- to perform basic electrical installation and assembly works related to the production, assembly, connection and operation of heat pumps, ventilation and cooling equipment, including functional tests of such equipment,
- to characterize individual types of cooling and air-conditioning systems and heat pumps, to describe the function and construction of individual cooling and air-conditioning equipment and heat pumps,
- to diagnose using metering techniques, operability and functionality of cooling equipment and heat pumps,
- to perform operation, regular and preventive maintenance of simple air-conditioning, refrigerating and cooling machines and equipment and heat pumps, to control, identify and subsequently eliminate faults of such equipment,
- to measure electrical engineering quantities and basic characteristics of electronic circuits and their components, evaluate measured values and use acquired data during repairs,
- to perform the basic methods of manual and machine processing of materials.

4. Range of occupations accessible to the holder of the certificate ³

Graduates find work in electrical engineering in professional activities related to production, assembly, service and maintenance of air-conditioning, cooling and refrigerating equipment and heat pumps.

¹ In the original language. | ² If applicable. This translation has no legal status. | ³ If applicable.

The Certificate Supplement provides additional information about the certificate and does not have any legal status in itself. Its format is based on the Decision (EU) 2018/646 of the European Parliament and of the Council of 18 April 2018 on a common framework for the provision of better services for skills and qualifications (Europass) and repealing Decision No 2241/2004/EC.

For the purposes of a document issued in Slovakia, a certificate encompasses any document as specified in the Decree of the Ministry of Education of the Slovak Republic No. 326/2008 Coll. on the Types and Pertinent Details of Certificates and other Educational Forms, including Methods for their Recording and Archiving.

Examples of potential job titles include mechanic of air-conditioning and cooling equipment, mechanic, repairer of electrical engineering equipment, electrical mechanic, assembler (operator) of electrical engineering and electronic equipment, mechanic and repairer of measuring and regulating equipment.

5. Official basis of the certificate

Body awarding the certificate

Authority providing accreditation / recognition of the certificate

Ministry of Education, Science, Research and Sport of the Slovak Republic
Stromová 1
813 30 Bratislava
Phone: +421 2/59 374 111
www.minedu.sk

Level of the certificate (national or European) ¹

Secondary vocational education
SKEQ/EQF 3
ISCED 353

Grading scale / Pass requirements

1 – excellent
2 – praiseworthy
3 – good
4 – sufficient
5 – insufficient

Access to next level of education / training ¹

Advanced study educational programmes for graduates of the 3-year field of study
SKQF/EQF 4, ISCED 454

International agreements on recognition of qualifications¹

Legal basis

Act No. 245/2008 Coll. on Education and Training (Education Act) and on amendment of certain acts; Act No. 61/2015 Coll. on Vocational Education and Training and on amendment of certain acts; Decree of the Ministry of Education of the Slovak Republic no. 318/2008 Coll. on the completion of studies at secondary schools, as amended.

6. Officially recognised ways of acquiring the certificate

Successful completion of the four-year training program in the given field of study by passing the school leaving examination.

7. Additional information

This Certificate Supplement is valid together with the final examination certificate issued by the relevant secondary school (the name and address of the school is specified on the certificate). More details about the education and training system are available at www.minedu.sk/data/files/7421.jpg, more details as to the organisation of the educational system are available at www.minedu.sk, and the details of educational programs are available at www.siov.sk and at the website of the specified school.

Entry requirements ¹

- Completion of 9th year of primary school
- Demonstration of required knowledge prerequisites via admission procedure

More information (including a description of the national qualifications system)

Ministry of Education, Science, Research and Sport of the Slovak Republic, Study and Training Group
<https://www.minedu.sk/18673-sk/studijne-a-ucebne-odbory-sauo/>

National Europass Centre

State Vocational Education Institute
Bellova 54/a,
837 63 Bratislava
europass@siov.sk
www.europass.sk



¹ If applicable