

1. Name of the Certificate ¹

Field of study 3739 M electrical engineering in transport and telecommunications (rail transport)

2. Translated title of the Certificate ²

Študijný odbor 3739 M elektrotechnika v doprave a telekomunikáciách (železničná doprava) (sk)

3. Profile of skills and competences

The holder of the certificate is able:

- to communicate correctly in the official language, both verbally and in writing,
- to communicate using one world language at the B1 level per the Common European Reference Framework,
- to adapt to changing living and working conditions, to work in a team and to take responsibility for tasks,
- to work with information, to use information and communication technologies and equipment,
- to apply mathematical relations and the laws of physics when resolving practical tasks,
- to apply the principles of financial literacy, consumer protection and to understand business and the work,
- to act environmentally with a view to a sustainable development strategy,
- to apply the principles of occupational health and safety and environmental protection,
- to define basic terms and use professional terminology in the field of rail transport,
- to understand and use standards, regulations, and technological procedures in railway operation,
- to express oneself using technical terminology and to understand technical documentation and literature,
- to define the performance, construction, method of operation, and baseline measurements of traction vehicles,
- to describe electric traction systems and electrical equipment and to explain the rolling stock dynamics,
- to explain the logic behind security systems in terms of safety and reliability of systems,
- to describe the principle of operation of individual types of security technology in railway transport, methods of ensuring the safety of stations, railway lines, rail crossings,
- to run, design, construct, test, and operate electrical machinery, apparatus, and equipment,
- to maintain traction vehicles and to operate traction vehicles after training,
- to operate and maintain traction systems,
- to operate, service, and maintain safety and telecommunications installations,
- to suggest ways of ensuring the safety of stations, railway lines, and rail crossings.

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

Graduates are qualified workers able to independently carry out technical work in designing, constructing, manufacturing, installing, operating, and maintaining electrical engineering devices in the field of transport. In railway transport, they find work as notifying supervisors, chief towermen, chief masters, local administration and maintenance centre coordinators, railway infrastructure managers, industry administrators, train drivers, electrical mechanics specialising in electric and electronic equipment.

¹ In the original language. | ² If applicable. This translation is not legally binding. | ³ If applicable.

The Certificate Supplement provides additional information to the certificate and as such it is not legally binding. Its format is based on the Decision No 2018/646 of the European Parliament and of the Council of 18th April on a common framework for the provision of better services in the field of skills and qualifications (Europass) and on 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.

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

Full secondary vocational education
 SKQF/EQF 4
 ISCED 354

Grading scale / Pass requirements

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

Access to the next level of education / training ¹

Higher vocational education SKQF/EQF 5, ISCED 554
 University, 1st degree, ISCED 655, 645, 665

International agreements on the recognition of qualifications ¹

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 final examination.

7. Additional information

This Europass Certificate Supplement is valid together with the school leaving 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

- lower secondary education, ISCED 244
- fulfilment of prerequisites in the 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