

## 1. Name of the Certificate <sup>1</sup>

Field of study 2679 K mechanic, mechatronic

## 2. Translated title of the Certificate <sup>2</sup>

Študijný odbor 2679 K mechanik mechatronik (sk)

## 3. Profile of skills and competences

The holder of the certificate is able to:

- to communicate correctly in the official language, both verbally and in writing,
- to communicate using one world language at least 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 assigned tasks,
- to work with information, to use information and communication technologies and equipment,
- to apply basic mathematical relations and the laws of physics and chemistry when resolving practical tasks,
- to apply the principles of financial literacy, consumer protection and to understand business and the world of 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 of energy equipment, use software for creating technical and technological documentation,
- to select and prepare the necessary tools, devices, machines and devices necessary for a specific technological process and to use them efficiently,
- to carry out installation, connecting and refurbishing of CNC production machines, industrial robots and Manipulators (PRaM) and lines, control circuits, controls and other components of mechatronic systems,
- to perform operation, set-up and maintenance of CNC machines, mechanisms and equipment,
- to diagnose and repair, set-up control circuits, controls and components of automation and regulation technology and systems, hydraulic and pneumatic mechanisms,
- to operate computer applications of control systems in production process and to design control program for CNC systems,
- to measure and evaluate measurements of electrical and non-electrical quantities and parameters involved in operation of mechatronic systems,
- to perform the basic methods of manual and machine processing of materials.

## 4. Range of occupations accessible to the holder of the certificate <sup>3</sup>

Graduates find work in providing operation of modern electromechanical, electrohydraulic and other computer controlled mechatronic systems in companies engaged in construction of machines, instruments and equipment falling within the class of mechatronic systems and production of their parts, as well as in testing, service of the systems and complexes.

Examples of potential job titles include mechatronic, electrotechnician in automated production, mechanical engineering technician of automation, mechanic of industrial machines and equipment, assembler of machines and production lines.

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

## 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](http://www.minedu.sk)

Level of the certificate (national or European) <sup>1</sup>

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 next level of education / training <sup>1</sup>

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

International agreements on recognition of qualifications<sup>1</sup>

## 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 Europass Certificate Supplement is valid together with the school leaving 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](http://www.minedu.sk/data/files/7421.jpg), more details as to the organisation of the educational system are available at [www.minedu.sk](http://www.minedu.sk), and the details of educational programs are available at [www.siov.sk](http://www.siov.sk) and at the website of the specified school.

Entry requirements <sup>1</sup>

- 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](mailto:europass@siov.sk)  
[www.europass.sk](http://www.europass.sk)



<sup>1</sup> If applicable