EUROPASS CERTIFICATE SUPPLEMENT

1. TITLE OF THE PROFESSION

5 0714 04 01 Automatikai technikus (Autóipar)

2. TRANSLATED TITLE OF THE PROFESSION

Automation technician (Automotive industry)
(THIS TRANSLATION HAS NO LEGAL STATUS)

3. PROFILE OF SKILLS AND COMPETENCES

A typical holder of the certificate is able to:

- perform instrument-based/visual troubleshooting on hydraulic, pneumatic, IT, control engineering and electrical subsystems based on documentation;
- perform maintenance works on automated production equipment;
- repair minor electrical faults and carry out machine overhauls following machine manuals, technical specifications and work instructions;
- replace valves, sensors and actuators in the event of a fault in the production process equipment and adjust them according to specifications;
- carry out the necessary parameterisation and operational tests on the drive components of production equipment on the basis of documentation and machine manuals, and, if necessary, assist in the replacement and adjustment of the electric motors of the equipment;
- commission PLCs (programmable logic controllers) using wiring and control diagrams, and migrate and archive programs;
- identify faults in the automation equipment connected to PLCs by means of instrumentation;
- perform measurement calibration on production equipment following descriptions;
- operate robots, maintain NC (numerical control) machines;
- be receptive to new developments in control systems;
- have an analytical and synthesising approach and strive for precision.

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

3122 Electronics (light current) engineering technician

(*) Explanatory notes:

[1] In the original language. | [2] The translation of the designation is provided for information purposes only. | [3] Fill it out if necessary. The certificate supplement provides additional information on the qualification but have no legal value in itself. The format of the description is in conformity with 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.

5. OFFICIAL BASIS OF THE CERTIFICATE

Name and status of the authority issuing the certificate

Name and status of the national/regional authority providing accreditation/recognition of the certificate

Ministry for Innovation and Technology

Level of the certificate (national or international)

NQF level: 5

EQF level: 5

Digital Competence Framework level: 7

Grading scale / Pass requirements

Five -grade: 5 excellent
4 good
3 satisfactory
2 pass
1 fail

The successful completion of all the required training courses is a prerequisite for admission to the sectoral basic examination.
The successful completion of all the required training courses and the continuous field practice is a prerequisite for admission to the vocational examination.
The result of the basic sectoral examination will be computed into that of the vocational examination with the following weighting: Sectoral basic examination: 20%, Vocational examination: 80%

Certificate number: CXK A

Serial number: 123456

Certificate issue date: 2021.10.22

Designation of the theoretical and practical subjects of the sectoral basic examination and the vocational examination and their grades according to a five-grade scale

Sectoral basic examination	passed
Vocational examination	
central interactive	
Operation of automated production equipment in vehicle manufacturing	5
project exercise	
Installation, inspection, maintenance of automation equipment, connection of PLC, management of programs	5
Result of the vocational examination in percentage	100%
Result of the vocational examination with grades	5

Access to next level of education/training

To higher education

International agreements

Other information concerning the vocational training process

Legal basis

Government Decree 12/2020 (II. 7.) on the Implementation of the Vocational Education and Training Act,
Government Decree 319/2020 (VII. 1.) on the Amendment of Government Decree 12/2020 (II. 7.) on the Implementation of the Vocational Education and Training Act.

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE SUPPLEMENT

Description of the sectoral basic training and the theoretical and practical vocational training	Distribution of the total number of hours of the programme
Total duration of the education/training	2166 hours

Entry requirements:

- Elementary school qualification
- Occupational aptitude test is required

Further information:

VOCATIONAL PRACTICAL SUBJECT	HOURS
Basic electrical knowledge	12 hour
Basic mechanical engineering knowledge	12 hour
Analogue circuits	12 hour
Electrical engineering	12 hour
Digital circuits	12 hour
Basics of electrical machines	12 hour
Drive technology	12 hour
Electrical installations	12 hour
Mechanical installations	12 hour
Control engineering	12 hour
Process control	12 hour
Automated production machines	12 hour
Information technology in the automotive industry	12 hour
Pneumatics	12 hour
Maintenance	12 hour
Process control in practice	12 hour
Professional information technology	12 hour
Hydraulics	12 hour

VOCATIONAL THEORETICAL SUBJECT	HOURS
Vocational knowledge	12 hour
Vocational foreign language knowledge	12 hour
Basic electrical knowledge	12 hour
Basic mechanical engineering knowledge	12 hour
Analogue circuits	12 hour
Electrical engineering	12 hour
Digital circuits	12 hour
Basics of electrical machines	12 hour
Drive technology	12 hour
Electrical installations	12 hour
Control engineering	12 hour
Process control	12 hour
Automated production machines	12 hour
Information technology in the automotive industry	12 hour
Pneumatics	12 hour
Maintenance	12 hour
Process control in practice	12 hour
Professional information technology	12 hour
Hydraulics	12 hour

Continuous field practice	160 hour
Altogether	604 hour

Link to the Training and Outcome Requirements and the Programme Plans: https://ikk.hu
The present diploma supplement was elaborated in compliance with Government Decree 12/2020 (II. 7.) on the implementation of the Act on Vocational Education and Training.

National Reference Point: National Office of Vocational Education and Training and Adult Learning: https://nrk.nive.hu

Head of Examination Organiser:
Issue date: 2021.10.22

SEAL