



1. TITLE OF THE PROFESSION

5 0714 04 03 Elektronikai technikus

2. TRANSLATED TITLE OF THE PROFESSION

Electronics technician
(THIS TRANSLATION HAS NO LEGAL STATUS)

3. PROFILE OF SKILLS AND COMPETENCES

- design, manufacture, assemble, measure, repair and maintain electrical and electronic equipment and instruments;
- get to know and apply electrical safety, Electrostatic Discharge (ESD) protection and quality assurance standards;
- build individual devices based on documentation, program microcontroller circuits;
- assess the expected material requirements, the estimated time required for the repair and its expected cost as a repair technician and discuss the repair information with the customer;
- provide information to production and quality assurance as a procedural failure analyst and corrective technician, thus supporting meeting quality and quantity requirements;
- support the work of the electronic technicians working under their guidance;
- use modern measuring technology and diagnostic tools;
- use and program computer-controlled measuring, monitoring and manufacturing tools.

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.

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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 prerequisite of being eligible to sit for a sectoral basic examination is the successful completion of all the required training courses, or the recognised prior learning should incorporate the requirements of the sectoral basic examination. The prerequisite of being eligible to sit for a vocational examination is the successful completion of all the training courses and the uninterrupted professional practice required. In case the student is required to pass a sectoral basic examination, latter shall be recognised with the following weighting: 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: 2023.12.07	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 : The examination was passed based on recognised prior learning Vocational examination <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">central interactive</td> </tr> <tr> <td style="padding: 2px;">Basics of electronic calculations, circuit analysis and troubleshooting</td> <td style="text-align: center; width: 50px;">5</td> </tr> <tr> <td colspan="2">project exercise</td> </tr> <tr> <td style="padding: 2px;">Making, tuning and setting up electronic circuits, presenting the work done and the portfolio</td> <td style="text-align: center;">5</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <td style="padding: 2px;">Result of the vocational examination in percentage</td> <td style="text-align: center;">100%</td> </tr> <tr> <td style="padding: 2px;">Result of the vocational examination with grades</td> <td style="text-align: center;">5</td> </tr> </table>	central interactive		Basics of electronic calculations, circuit analysis and troubleshooting	5	project exercise		Making, tuning and setting up electronic circuits, presenting the work done and the portfolio	5			Result of the vocational examination in percentage	100%	Result of the vocational examination with grades	5
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Result of the vocational examination in percentage	100%														
Result of the vocational examination with grades	5														
Access to next level of education/training	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, Act LXXX of 2019 on Vocational Education and Training.															

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	2064 hours

Entry requirements:

- Educational prerequisite: elementary school qualification
- Occupational health aptitude test: required

Further information:

VOCATIONAL PRACTICAL SUBJECT	HOURS
Basic electrical knowledge	12 hour
Basic mechanical engineering knowledge	12 hour
Electrical engineering	12 hour
Analogue circuits	12 hour
Digital circuits	12 hour
Basics of programming	12 hour
Computer simulation	12 hour
Building and operation of circuits	12 hour
Microcontrollers	12 hour
Industrial process control with programmable logic controller (PLC)	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
Electrical engineering	12 hour
Analogue circuits	12 hour
Digital circuits	12 hour
Computer simulation	12 hour
Building and operation of circuits	12 hour
Microcontrollers	12 hour
Industrial process control with programmable logic controller (PLC)	12 hour
Continuous field practice	160 hour
Altogether	412 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: 2023.12.07

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