



1. TITLE OF THE PROFESSION

4 0713 04 02 Elektronikai műszerész

2. TRANSLATED TITLE OF THE PROFESSION

Electronics technician
(THIS TRANSLATION HAS NO LEGAL STATUS)

3. PROFILE OF SKILLS AND COMPETENCES

- assemble and adjust electrical and electronic equipment and calibrate, adjust, repair and maintain electrical and electronic devices and instruments;
- locate and eliminate faults (cold soldering, foil leaks, short circuits, defective parts, etc.) in the event of measurement results that differ from those required;
- assemble and adjust electronic equipment;
- understand, recognise and apply electrical safety and modern ESD (electrostatic discharge) protection standards.

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

7341 Technician and mechanic of electrical equipment and devices
7342 Information and communications technology installer and repairer

(*) 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

<p>Name and status of the authority issuing the certificate</p>	<p>Name and status of the national /regional authority providing accreditation/recognition of the certificate</p> <p>Ministry for Innovation and Technology</p>																				
<p>Level of the certificate (national or international)</p> <p>NQF level: 4</p> <p>EQF level: 4</p> <p>Digital Competence Framework level: 5</p>	<p>Grading scale / Pass requirements</p> <p>Five -grade: 5 excellent 4 good 3 satisfactory 2 pass 1 fail</p> <p>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%</p>																				
<p>Certificate number: CXK A</p> <p>Serial number: 123456</p> <p>Certificate issue date: 2023.12.07</p>	<p>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</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Sectoral basic examination : The examination was passed based on recognised prior learning</td> </tr> <tr> <td colspan="2">Vocational examination</td> </tr> <tr> <td colspan="2">central interactive</td> </tr> <tr> <td>Electronics, electrical engineering and troubleshooting basics</td> <td style="text-align: center;">5</td> </tr> <tr> <td colspan="2">project exercise</td> </tr> <tr> <td>Electronic circuit assembly, troubleshooting</td> <td style="text-align: center;">5</td> </tr> <tr> <td colspan="2">Result of the vocational examination in percentage</td> </tr> <tr> <td></td> <td style="text-align: center;">100%</td> </tr> <tr> <td colspan="2">Result of the vocational examination with grades</td> </tr> <tr> <td></td> <td style="text-align: center;">5</td> </tr> </table>	Sectoral basic examination : The examination was passed based on recognised prior learning		Vocational examination		central interactive		Electronics, electrical engineering and troubleshooting basics	5	project exercise		Electronic circuit assembly, troubleshooting	5	Result of the vocational examination in percentage			100%	Result of the vocational examination with grades			5
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<p>Access to next level of education/training</p>	<p>International agreements</p>																				
<p>Other information concerning the vocational training process</p>																					
<p>Legal basis</p> <p>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.</p>																					

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

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	3 years

Entry requirements:

- Educational prerequisite: elementary education
- 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 electronics	12 hour
Digital technics	12 hour
Assembly technology	12 hour
Circuit construction and operation	12 hour
Virtual instrumentation and circuit simulation	12 hour
Portfolio preparation with computer support	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 electronics	12 hour
Digital technics	12 hour
Assembly technology	12 hour
Circuit construction and operation	12 hour
Virtual instrumentation and circuit simulation	12 hour
Portfolio preparation with computer support	12 hour

Continuous field practice	160 hour
Altogether	400 hour

Link to the Programme and Outcome Requirements and the Programme Curriculum: <https://ikk.hu>
 The present certificate 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	SEAL
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