



1. TITLE OF THE PROFESSION

5 0713 04 04 Erősáramú elektrotechnikus

2. TRANSLATED TITLE OF THE PROFESSION

Heavy current electrical technician
(THIS TRANSLATION HAS NO LEGAL STATUS)

3. PROFILE OF SKILLS AND COMPETENCES

- run the organisation's energy network and monitor electricity management;
- manage reactive power and size simple low-voltage network cables;
- manage, assemble and operate the control and drive installations used;
- know the electrical installations, power systems, substations, protection systems and transform them, when necessary;
- know the characteristics of the electrical machinery used, troubleshoot and carry out repairs, when needed;
- perform measurements related to electricity management, select and install the necessary measuring instruments, record the results of the measurements, prepare the necessary documents;
- know and apply instruments and the principles of electrical measurement, and comply with electrical safety regulations;
- prepare the technical drawings required for his/her work using a computer;
- be receptive to seeking new solutions and be open to new technological solutions;
- identify risks and hazards and minimise the risks arising from electricity.

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

3121 Electrical (power current) engineering technician
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 of Culture and Innovation																				
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: %, Vocational examination: %																				
Certificate number: CXK A Serial number: 123456 Certificate issue date: 2024.07.17	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 <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 style="width: 80%;">Professional knowledge of heavy current electrical tengineering</td> <td style="text-align: center;">5</td> </tr> <tr> <td colspan="2">project exercise</td> </tr> <tr> <td>Heavy current electrical engineer project task</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		Professional knowledge of heavy current electrical tengineering	5	project exercise		Heavy current electrical engineer project task	5	Result of the vocational examination in percentage			100%	Result of the vocational examination with grades			5
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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, Government Decree 95/2021 (II. 27.) on the Amendment of Certain Government Decrees Relating to Vocational Education and Training and Adult Training, Act LXXX of 2019 on Vocational Education and Training, Government Decree 292/2023 (VII. 6.) on the amendments to government decrees due to the ex-post impact assessment of the transformation in 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	2104 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
Electrical engineering	12 hour
Electronics	12 hour
Electrical technical documentation	12 hour
Control engineering	12 hour
Basics of PLC (Programmable Logic Controller)	12 hour
Electric network of buildings	12 hour
Electricity works	12 hour
Electrical machinery	12 hour
Electrical installations	12 hour
Electrical safety engineering	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
Electronics	12 hour
Technical drawing	12 hour
Electrical technical documentation	12 hour
Control engineering	12 hour
Basics of PLC (Programmable Logic Controller)	12 hour
Electric network of buildings	12 hour
Electricity works	12 hour
Electrical machinery	12 hour
Electrical installations	12 hour
Labour safety	12 hour
Electrical safety engineering	12 hour
Continuous field practice	160 hour
Altogether	496 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: 2024.07.17

SEAL