

**1. TITLE OF THE PROFESSION**

5 0732 07 01 Épületgépész technikus

2. TRANSLATED TITLE OF THE PROFESSIONBuilding engineering technician
(THIS TRANSLATION HAS NO LEGAL STATUS)**3. PROFILE OF SKILLS AND COMPETENCES**

- provide the conditions for the proper use of buildings and carry out mechanical, plumbing, renovation and maintenance tasks in the buildings;
- install various building engineering systems, drainage and sewage disposal systems;
- coordinate each branch's fitters and also carry out fitting work with them;
- coordinate the different work processes and perform the related background work;
- keep and manage the supporting documentation (construction logs, e-construction logs, handover documents) in a traceable and transparent manner;
- carry out technological and production calculations at workflow level;
- receive, store and prepare raw materials for production;
- check the technical condition of tools and equipment, carry out the necessary maintenance tasks, take into consideration, observe and enforce labour safety and safety technology rules and regulations during installation/use;
- produce and store products in accordance with the technological rules in force;
- keep records and documentation related to the work processes and under their scope of responsibility up-to-date, transparent and traceable, in accordance with the requirements of quality assurance systems.

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

7521 Plumber and pipe fitter (water, gas, heating)
7522 Fitter of ventilation, cooling and air-conditioning equipment
3116 Cooling, air-conditioning and ventilation technician
3213 Technical manager

(*) 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 has 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: 5</p> <p>EQF level: 5</p> <p>Digital Competence Framework level: 6</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: 10%, Vocational examination: 90%</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 style="width: 80%;">Building engineering technician knowledge</td> <td style="text-align: center;">5</td> </tr> <tr> <td colspan="2">project exercise</td> </tr> <tr> <td>Practical tasks of a building engineering technician</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		Building engineering technician knowledge	5	project exercise		Practical tasks of a building engineering technician	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 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	2178 hours
<p>Entry requirements:</p> <ul style="list-style-type: none"> - Educational prerequisite: elementary school qualification - Occupational aptitude test shall be passed <p>Further information:</p>	
VOCATIONAL PRACTICAL SUBJECT	HOURS
Introduction to electronics	12 hour
Introduction to building engineering I	12 hour
Technical drawing skills	12 hour
Building engineering measurements I	12 hour
Building engineering piping systems	12 hour
Gas networks I	12 hour
Gas networks II	12 hour
Combustion product discharge	12 hour
Heating systems I	12 hour
Heating systems II	12 hour
Refrigeration engineering systems I	12 hour
Refrigeration engineering systems II	12 hour
Ventilation engineering I	12 hour
Ventilation engineering II	12 hour
Water supply I	12 hour
Water supply II	12 hour
Swimming pool technology knowledge	12 hour
Introduction to building engineering II	12 hour
Electrical fitting	12 hour
Building automation	12 hour
VOCATIONAL THEORETICAL SUBJECT	HOURS
Vocational knowledge	12 hour
Vocational foreign language knowledge	12 hour
Introduction to electronics	12 hour
Introduction to building engineering I	12 hour
Technical drawing skills	12 hour
Gas networks I	12 hour
Gas networks II	12 hour
Combustion product discharge	12 hour
Heating systems I	12 hour
Heating systems II	12 hour
Refrigeration engineering systems I	12 hour
Refrigeration engineering systems II	12 hour
Ventilation engineering I	12 hour
Ventilation engineering II	12 hour
Water supply I	12 hour
Water supply II	12 hour
Introduction to building engineering II	12 hour
Electrical fitting	12 hour
Building automation	12 hour
Building engineering measurements II	12 hour
Continuous field practice	160 hour
Altogether	640 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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