

**1. TITLE OF THE PROFESSION**

4 0732 07 04 Víz- és csatornarendszer-szerelő

2. TRANSLATED TITLE OF THE PROFESSIONWater and sewerage system fitter
(THIS TRANSLATION HAS NO LEGAL STATUS)**3. PROFILE OF SKILLS AND COMPETENCES**

- build water, firewater, sewerage and water technology networks using different pipe materials on the basis of a sectoral plan;
- install and fit individual and centralised equipment, domestic hot water generators, heat exchangers, plumbing system components, taps and fittings;
- perform pressure tests and fill and pressurise water systems;
- pre-regulate and regulate networks and fittings as planned, and assist in hydraulic regulation;
- review existing networks and systems and detect and repair faults;
- construct water and sewerage networks within the site boundaries, install meters and prepare utility connections under professional supervision;
- independently design a bathroom water and sewerage system, select and install the necessary materials and fittings;
- ensure safe working conditions at all times;
- carry out periodic checks on their work and the necessary administrative tasks;
- study and interpret documentation on work processes, equipment and technology;
- study and interpret installation and construction plans;
- maintain contact and communicate properly with clients.

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

7521 Water and sewerage system builder
7521 Water and sewerage pipe layer
7521 Building services pipe and equipment fitter

(*) 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 of Culture and Innovation</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: %, Vocational examination: %</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%;">Water and sewerage system fitter – vocational knowledge</td> <td style="text-align: center;">5</td> </tr> <tr> <td colspan="2">project exercise</td> </tr> <tr> <td>Water and sewerage system fitter – 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		Water and sewerage system fitter – vocational knowledge	5	project exercise		Water and sewerage system fitter – project task	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	3000 hours
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Entry requirements:

- Educational prerequisite: elementary education
- Occupational health aptitude test: required

Further information:

VOCATIONAL PRACTICAL SUBJECT	HOURS
Introduction to electronics	12 hour
Introduction to building engineering I	12 hour
Technical drawing knowledge	12 hour
Building engineering measurements I	12 hour
Building engineering piping systems	12 hour
Introduction to welding	12 hour
Introduction to building engineering II	12 hour
Building engineering measurements II	12 hour
Building engineering design documentation and work management	12 hour
Water supply I	12 hour
Water supply II	12 hour
Sewerage I	12 hour
Sewerage II	12 hour
Swimming pool technology knowledge	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 knowledge	12 hour
Introduction to building engineering II	12 hour
Building engineering measurements II	12 hour
Building engineering design documentation and work management	12 hour
Water supply I	12 hour
Water supply II	12 hour
Sewerage I	12 hour
Sewerage II	12 hour

Continuous field practice	160 hour
Altogether	472 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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