

**1. TITLE OF THE PROFESSION**

5 1021 14 04 Vízügyi technikus (Települési vízgazdálkodó szakmairány)

**2. TRANSLATED TITLE OF THE PROFESSION**Water technician (Municipal water management specialisation)  
(THIS TRANSLATION HAS NO LEGAL STATUS)**3. PROFILE OF SKILLS AND COMPETENCES**

- carry out activities related to the construction, operation, maintenance and development of the water utilities of the municipality (water production, water treatment, water supply network, sewerage network, wastewater treatment), partly independently and partly under the supervision of an engineer;
- carry out geodetic and water measurement tasks as well as water quality tests;
- use digital tools to process data;
- perform process control tasks in water and wastewater networks on the basis of operational instructions;
- supervise the operation and troubleshooting of water and wastewater treatment equipment;
- collect, assess and prepare documentation for permit applications, applying the relevant legislation;
- organise, manage and supervise tasks during execution;
- liaise with both residential and corporate clients;
- comply with environmental and nature conservation standards;
- regularly develop their professional knowledge, including by undergoing further training.

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

3136 Draughtsperson  
3139 Other technician not elsewhere classified – Water technician  
3190 Other technical occupation – Municipal water manager  
4190 Other office, management occupation, not elsewhere classified – Water administrator

**(\*) Explanatory notes:**

<sup>1</sup> In the original language. | <sup>2</sup> The translation of the designation is provided for information purposes only. | <sup>3</sup> 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><b>Name and status of the authority issuing the certificate</b></p>	<p><b>Name and status of the national/regional authority providing accreditation/recognition of the certificate</b></p> <p>Ministry for Innovation and Technology</p>																				
<p><b>Level of the certificate (national or international)</b></p> <p><b>NQF level:</b> 5</p> <p><b>EQF level:</b> 5</p> <p><b>Digital Competence Framework level:</b> 6</p>	<p><b>Grading scale / Pass requirements</b></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><b>Certificate number:</b> CXK A</p> <p>Serial number: 123456</p> <p><b>Certificate issue date:</b> 2023.12.07</p>	<p><b>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</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2"><b>Sectoral basic examination :</b> The examination was passed based on recognised prior learning</td> </tr> <tr> <td colspan="2"><b>Vocational examination</b></td> </tr> <tr> <td colspan="2"><b>central interactive</b></td> </tr> <tr> <td>Municipal water management tasks</td> <td style="text-align: center;">5</td> </tr> <tr> <td colspan="2"><b>project exercise</b></td> </tr> <tr> <td>Municipal water management activities</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>	<b>Sectoral basic examination :</b> The examination was passed based on recognised prior learning		<b>Vocational examination</b>		<b>central interactive</b>		Municipal water management tasks	5	<b>project exercise</b>		Municipal water management activities	5	Result of the vocational examination in percentage			100%	Result of the vocational examination with grades			5
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<p><b>Access to next level of education/training</b></p>	<p><b>International agreements</b></p>																				
<p><b>Other information concerning the vocational training process</b></p>																					
<p><b>Legal basis</b></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																																																																		
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<p><b>Entry requirements:</b></p> <ul style="list-style-type: none"> <li>- Educational prerequisite: elementary education</li> <li>- Occupational health aptitude test: required</li> </ul> <p><b>Further information:</b></p> <table border="0"> <thead> <tr> <th>VOCATIONAL PRACTICAL SUBJECT</th> <th>HOURS</th> </tr> </thead> <tbody> <tr><td>Scientific testing</td><td>12 hour</td></tr> <tr><td>Basic technical knowledge</td><td>12 hour</td></tr> <tr><td>Fundamentals of environmental protection I</td><td>12 hour</td></tr> <tr><td>Basics of environmental technology I</td><td>12 hour</td></tr> <tr><td>Basics of hydrology</td><td>12 hour</td></tr> <tr><td>Basics of hydrology</td><td>12 hour</td></tr> <tr><td>Basics of geodesy I</td><td>12 hour</td></tr> <tr><td>Fundamentals of environmental protection II</td><td>12 hour</td></tr> <tr><td>Basics of environmental technology II</td><td>12 hour</td></tr> <tr><td>Basics of hydrology</td><td>12 hour</td></tr> <tr><td>Basics of geodesy II</td><td>12 hour</td></tr> <tr><td>Water management knowledge</td><td>12 hour</td></tr> <tr><td>Hydraulic engineering knowledge</td><td>12 hour</td></tr> <tr><td>Administrative knowledge</td><td>12 hour</td></tr> <tr><td>Municipal water management knowledge</td><td>12 hour</td></tr> <tr><td colspan="2"> </td></tr> <tr> <th>VOCATIONAL THEORETICAL SUBJECT</th> <th>HOURS</th> </tr> <tr><td>Vocational knowledge</td><td>12 hour</td></tr> <tr><td>Vocational foreign language knowledge</td><td>12 hour</td></tr> <tr><td>Basic technical knowledge</td><td>12 hour</td></tr> <tr><td>Fundamentals of environmental protection I</td><td>12 hour</td></tr> <tr><td>Basics of environmental technology I</td><td>12 hour</td></tr> <tr><td>Basics of hydrology</td><td>12 hour</td></tr> <tr><td>Basics of hydrology</td><td>12 hour</td></tr> <tr><td>Fundamentals of environmental protection II</td><td>12 hour</td></tr> <tr><td>Basics of environmental technology II</td><td>12 hour</td></tr> <tr><td>Basics of hydrology</td><td>12 hour</td></tr> <tr><td>Hydraulic engineering knowledge</td><td>12 hour</td></tr> <tr><td>Administrative knowledge</td><td>12 hour</td></tr> <tr><td>Municipal water management knowledge</td><td>12 hour</td></tr> <tr><td>Continuous field practice</td><td>160 hour</td></tr> <tr><td>Altogether</td><td>496 hour</td></tr> </tbody> </table> <p>Link to the Training and Outcome Requirements and the Programme Plans: <a href="https://ikk.hu">https://ikk.hu</a>  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.</p> <p><b>National Reference Point: National Office of Vocational Education and Training and Adult Learning: <a href="https://nrk.nive.hu">https://nrk.nive.hu</a></b></p>		VOCATIONAL PRACTICAL SUBJECT	HOURS	Scientific testing	12 hour	Basic technical knowledge	12 hour	Fundamentals of environmental protection I	12 hour	Basics of environmental technology I	12 hour	Basics of hydrology	12 hour	Basics of hydrology	12 hour	Basics of geodesy I	12 hour	Fundamentals of environmental protection II	12 hour	Basics of environmental technology II	12 hour	Basics of hydrology	12 hour	Basics of geodesy II	12 hour	Water management knowledge	12 hour	Hydraulic engineering knowledge	12 hour	Administrative knowledge	12 hour	Municipal water management knowledge	12 hour			VOCATIONAL THEORETICAL SUBJECT	HOURS	Vocational knowledge	12 hour	Vocational foreign language knowledge	12 hour	Basic technical knowledge	12 hour	Fundamentals of environmental protection I	12 hour	Basics of environmental technology I	12 hour	Basics of hydrology	12 hour	Basics of hydrology	12 hour	Fundamentals of environmental protection II	12 hour	Basics of environmental technology II	12 hour	Basics of hydrology	12 hour	Hydraulic engineering knowledge	12 hour	Administrative knowledge	12 hour	Municipal water management knowledge	12 hour	Continuous field practice	160 hour	Altogether	496 hour
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Head of Examination Organiser:  
Issue date: 2023.12.07

**SEAL**