



## 1. TITLE OF THE CERTIFICATE (HU)

54-582-03 Magasépítő technikus

## 2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

Building engineering technician  
(THIS TRANSLATION HAS NO LEGAL STATUS)

## 3. PROFILE OF SKILLS AND COMPETENCES

**A typical holder of the certificate is able to:**

- Decide on the utilization and classification of building materials based on their characteristics;
- Use tools and instruments necessary to laboratory tests;
- Prepare and interpret sampling protocols and test reports;
- Prepare blueprints and blueprint sketches by using computer-aided design programs (under supervision);
- Determine the forces of statically determinate structures, their mechanical stress and their cross sectional characteristics;
- Use vertical and horizontal measuring instruments during building setting out, and process measurement results according to the measurement logs;
- Participate in the preparation of investments and in the compilation and evaluation of tender dossiers;
- Participate in the construction site administration processes and in the monitoring of the construction progress;
- Prepare and verify contracts and invoices;
- Determine tensions arising from mechanical stress and required dimensions;
- Coordinate the construction and demolition of earthworks, bodyworks, load-bearing and non-load bearing elements, finishing and professional works;
- Perform tasks related to housing management and maintenance;
- Prepare blueprints, technical drawings and drawing sketches under supervision by using the marking standards;
- Interpret professional texts in a foreign language;
- Interpret the static designs, technical descriptions of reinforced concrete structures, adhere to requirements on execution standards;
- Determine material requirements based on design documents;
- Prepare budgets under supervision;
- Participate in the organisation and updating of execution works both in time and space;
- Participate in the preparation, execution and coordination of execution works;
- Select the raw materials necessary for the production and their preparation processes (under supervision);
- Select the machines and firing installations necessary for production (under supervision);
- Ensure compliance with technological requirements and carry out in-process controls;
- Monitor the quality parameters of finished products;
- Inform consumers about the main characteristics of a product and its field of use.

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

3117 Building and architectural technician  
3139 Other technician not elsewhere classified

### (\*) Explanatory notes:

This document is designed to provide additional information about the specified certificate and does not serve as a legal certificate of vocational qualification. The format of the description is based on the following documents:

Council Resolution 93/C 49/01 of 3 December 1992 on the transparency of qualifications; Council Resolution 96/C 224/04 of 15 July 1996 on the transparency of vocational training certificates, and Recommendation 2001/613/EC of the European Parliament and of the Council of 10 July 2001 on mobility within the Community for students, persons undergoing training, volunteers, teachers and trainers.

More information on transparency is available at: <http://europass.cedefop.europa.eu/>

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## 5. OFFICIAL BASIS OF THE CERTIFICATE

<p><b>Name and status of the institute 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 National Economy</p>																																						
<p><b>Level of the certificate (national or international)</b></p> <p><b>Level of vocational qualification according to the National Qualification Register:</b> 54 advanced vocational qualifications, which require the completion of the secondary school leaving exam and may be obtained primarily in formal education</p> <p><b>ISCED2011 code:</b> 4</p> <p><b>NQF level:</b></p> <p><b>EQF level:</b></p>	<p><b>Grading scale / Pass requirements</b></p> <p>Five -grade: 5 excellent 4 good 3 satisfactory 2 pass 1 fail</p>																																						
<p><b>Certificate number: PT K</b></p> <p>Serial number: 123456</p> <p><b>Certificate issue date: 2023.10.02</b></p>	<p><b>Results achieved at the examination and their proportion expressed in percentage in the complex mark</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Central written examination</td> <td style="width: 50%;">Design drawings and drawing sketches under given conditions</td> <td style="width: 10%; text-align: center;">5</td> <td style="width: 20%; text-align: center;">15.00</td> </tr> <tr> <td>Central written examination</td> <td>Statics calculation</td> <td style="text-align: center;">5</td> <td style="text-align: center;">15.00</td> </tr> <tr> <td>Central written examination</td> <td>Communication in a foreign language</td> <td style="text-align: center;">5</td> <td style="text-align: center;">5.00</td> </tr> <tr> <td>Oral examination</td> <td>Answering exam questions compiled based on the examination material and disclosed in advance</td> <td style="text-align: center;">5</td> <td style="text-align: center;">25.00</td> </tr> <tr> <td>Practical examination</td> <td>Thesis</td> <td style="text-align: center;">5</td> <td style="text-align: center;">10.00</td> </tr> <tr> <td>Practical examination</td> <td>Budget planning, material estimation, planning in time and space, setting out, material testing, environmental and labour safety regulations</td> <td style="text-align: center;">5</td> <td style="text-align: center;">15.00</td> </tr> <tr> <td>Practical examination</td> <td>Presentation</td> <td style="text-align: center;">5</td> <td style="text-align: center;">5.00</td> </tr> <tr> <td>Practical examination</td> <td>Execution of construction and specialist works</td> <td style="text-align: center;">5</td> <td style="text-align: center;">10.00</td> </tr> <tr> <td colspan="2">Result achieved at the complex vocational examination, expressed in grades.</td> <td style="text-align: center;">5</td> <td></td> </tr> </table>			Central written examination	Design drawings and drawing sketches under given conditions	5	15.00	Central written examination	Statics calculation	5	15.00	Central written examination	Communication in a foreign language	5	5.00	Oral examination	Answering exam questions compiled based on the examination material and disclosed in advance	5	25.00	Practical examination	Thesis	5	10.00	Practical examination	Budget planning, material estimation, planning in time and space, setting out, material testing, environmental and labour safety regulations	5	15.00	Practical examination	Presentation	5	5.00	Practical examination	Execution of construction and specialist works	5	10.00	Result achieved at the complex vocational examination, expressed in grades.		5	
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<p><b>Access to next level of education/training</b></p> <p>To higher education</p>	<p><b>International agreements</b></p>																																						
<p><b>Other information concerning the vocational training process</b></p>																																							

**Legal basis**

Act CLXXXVII of 2011 on Vocational Training

Decree 27/2012 (27 August) of the Minister for National Economy on the professional and examination requirements of vocational qualifications falling within the competence of the Minister for National Economy.

MINRELA

## 6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

Description of vocational education and training received	Percentage of total programme %	Duration (hours/weeks/months/years)
School-/training centre-based	Theory: 60 % Practice: 40 %	
Workplace-based		
Accredited prior learning		
Total duration of the education/training leading to the certificate		2 years

**Entry requirements:**

- Secondary school leaving examination

**Vocational requirement modules:**

- 10109-12 Basic knowledge of construction engineering
- 10107-12 Construction technician activities (in groups)
- 10110-12 Building engineering knowledge
- 10106-12 Construction technologies and their execution
- 10108-12 Production of construction materials

This certificate supplement was prepared on the basis of the instruction for filling in the Certificate Supplement published on the homepages of the National Reference Point and the National Europass Centre.

**National Reference Point – NSZFH – <http://nrk.nive.hu>**

Head of Examination Organiser:

Issue date: 2023.10.02

**SEAL**