

**1. TITLE OF THE CERTIFICATE (HU)**

54-582-02 Hídépítő és -fenntartó technikus

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

Bridge building technician

(THIS TRANSLATION HAS NO LEGAL STATUS)

**3. PROFILE OF SKILLS AND COMPETENCES****A typical holder of the certificate is able to:**

- perform measurement tasks;
- perform checks;
- perform documentation activities;
- Carry out organising tasks;
- Carry out labour protection, labour and fire safety tasks;
- implement the environmental protection plan;
- carry out quality assurance tasks;
- Actively participate in internal and external communication flow;
- Carry out computer technology and IT tasks;
- Build new bridge;
- perform bridge maintenance, operate, supervise, maintain bridges;
- participate in in-service training;
- Make certain bridge building work area is accident-free, comply with labour safety, environmental protection, and fire safety regulations;
- Interpret and apply bridge-building related technical information, blueprints, technical descriptions, technological instructions, quality control regulations;
- apply construction materials, use designs, technical descriptions, technical instructions, quality assurance requirements of devices and machines of soil mechanic laboratories;
- apply geodetic tools, equipment, set auxiliary marks horizontally and in height, prepare logs of measurement results, evaluate measurement results, apply special software;
- Solve bridge building-related simple calculations, draw up partial plan from calculated results;
- cooperate in the preparation, conducting of investments, obtaining and application of official authorisations;
- supervise sub work processes in construction of steel, reinforced concrete, pre-stressed concrete bridges, deployment of drains, barriers, insulation, expansion joints;
- perform and manage construction and maintenance tasks related to bridge fixtures;
- perform in procedures related to marketing, test load, occupation, technical delivery and acceptance, guarantee related processes, make records;
- perform supervision, check the state of the bridge, operate a bridge monitoring system, participate in maintenance;
- plan (compile), schedule bridge management and renovation, participate in bridge rehabilitation activities;
- Co-operate in construction of roads or railways;
- distribute daily work for subordinates, check correct performance, perform technical administration, close administration.

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

3117 Building and architectural technician

**(\*) 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																				
<b>Name and status of the institute issuing the certificate</b>		<b>Name and status of the national/regional authority providing accreditation/recognition of the certificate</b> Ministry of National Development																		
<b>Level of the certificate (national or international)</b> <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 <b>ISCED2011 code:</b> 4 <b>NQF level:</b> 5 <b>EQF level:</b> 5		<b>Grading scale / Pass requirements</b> Five -grade: 5 excellent 4 good 3 satisfactory 2 pass 1 fail																		
<b>Certificate number: PT K</b>  Serial number: 123456  <b>Certificate issue date: 2023.10.02</b>		<b>Results achieved at the examination and their proportion expressed in percentage in the complex mark</b> <table border="1"> <tbody> <tr> <td>Central written examination</td> <td>Structural development, forces of bridges, building technologies, bridge surveillance and maintenance</td> <td>5</td> <td>40.00</td> </tr> <tr> <td>Oral examination</td> <td>Requirements bridges must comply with, structural designs, building and maintenance</td> <td>5</td> <td>20.00</td> </tr> <tr> <td>Practical examination</td> <td>Traineeship in bridge building and transport building: performance of bridge building, measurements and alignment, bridge examination</td> <td>5</td> <td>40.00</td> </tr> <tr> <td colspan="2">Result achieved at the complex vocational examination, expressed in grades.</td> <td>5</td> <td></td> </tr> </tbody> </table>			Central written examination	Structural development, forces of bridges, building technologies, bridge surveillance and maintenance	5	40.00	Oral examination	Requirements bridges must comply with, structural designs, building and maintenance	5	20.00	Practical examination	Traineeship in bridge building and transport building: performance of bridge building, measurements and alignment, bridge examination	5	40.00	Result achieved at the complex vocational examination, expressed in grades.		5	
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<b>Access to next level of education/training</b> To higher education		<b>International agreements</b>																		
<b>Other information concerning the vocational training process</b>																				
<b>Legal basis</b> Act CLXXXVII of 2011 on Vocational Training Decree 35/2016 (VIII. 31.) NFM of the Minister of National Development on the professional and examination criteria of vocational qualifications falling within the competence of the Minister of National Development.																				

## 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 final exam

**Vocational requirement modules:**

11636-16 Introduction to construction industry

11956-16 Common knowledge related to traffic facilities

10474-16 Bridge building studies

11498-12 Employment I (for training courses built on secondary school-leaving examination)

11499-12 Employment II

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**