EUROPASS CERTIFICATE-SUPPLEMENT (*)

1. TITLE OF THE CERTIFICATE (HU)

54-582-04 Mélyépítő technikus

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

Underground 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;
- Prepare blueprints and blueprint sketches by using computer-aided design programs (under supervision);
- 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;
- 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;
- Use tools and instruments necessary to laboratory tests;
- Comply with and ensure compliance with the occupational health and safety requirements and regulations;
- Define 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;
- Sample soil and order or carry out the laboratory analysis of the soil samples;
- Coordinate the execution of the earthworks and foundation works;
- Comply with the requirements on the sizing, monitoring and execution of reinforced concrete structures;
- Prepare and draw simple static designs under supervision;
- Interpret and present statics designs, technical descriptions;
- Participate in the creation of underground engineering designs;
- Coordinate the preparation of concrete and reinforced concrete structures;
- Participate in the coordination of deep foundation works;
- Participate in the coordination of road construction implementation works;
- Participate in budget planning and budget review;
- Participate in the development, application and updating of organisational plans;
- Organise the project, select the participants and coordinate the execution;
- Use vertical and horizontal measuring instruments during building setting out, and process measurement results according to the measurement logs.

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/

5. OFFICIAL BASIS OF THE CERTIFICATE

Name and status of the institute issuing the certificate

Name and status of the national/regional authority providing accreditation/recognition of the certificate

Ministry for National Economy

Level of the certificate (national or international)

Level of vocational qualification according to the National Qualification Register:
54 advanced vocational qualifications, which require the completion of the secondary school leaving exam and may be obtained primarily in formal education

ISCED2011 code:
4

NQF level:

EQF level:

Grading scale / Pass requirements

Five -grade:
5 excellent
4 good
3 satisfactory
2 pass
1 fail

Certificate number: PT K

Serial number: 123456

Certificate issue date: 2023.10.02

Results achieved at the examination and their proportion expressed in percentage in the complex mark

Central written examination	Identification of homogeneous and reinforced concrete structures, design of underground engineering projects.	5	25.00
Central written examination	Communication in a foreign language	5	5.00
Oral examination	Investment, entrepreneurial, underground engineering and technological skills.	5	20.00
Practical examination	Write and present a thesis	5	10.00
Practical examination	Laboratory tests, building setting out, underground engineering project management	5	30.00
Practical examination	Building underground structural elements (pair work)	5	10.00
Result achieved at the complex vocational examination, expressed in grades.		5	

Access to next level of education/training

To higher education

International agreements

Other information concerning the vocational training process

Legal basis

Act CLXXXVII of 2011 on Vocational Training
Professional and examination requirements specified in Decree No. 12/2013 (28 March) of the Ministry for National Economy.

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)
10111-12 Basic underground engineering knowledge
10112-12 Underground engineering structures and their construction
10108-12 Production of construction materials
11498-12 Employment I (for training courses built on secondary school-leaving examination)
11500-12 Occupational health and safety

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