

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

52 5436 01 Bányagépész Technikus

**2. TRANSLATED TITLE OF THE CERTIFICATE (EN)**MINE MECHANIC TECHNICIAN  
(THIS TRANSLATION HAS NO LEGAL STATUS)**3. PROFILE OF SKILLS AND COMPETENCES****A typical holder of the certificate is able to:**

- carry out the following activities related to prime movers and machinery in the mine industry:
  - = assemble and disassemble machines and equipment with proficiency, adjust machines according to technical instructions;
  - = identify and assess the defects of failed machines, replace or repair damaged parts, manufacture simple parts independently;
  - = fit, repair and replace necessary machine elements during the repair of constructional elements;
  - = select repair procedures independently;
- operate the machines safely;
- individually control, organize, supervise and value the works related to his field of practice;
- take part in works requiring higher professional preparedness (e.g. performing tasks in laboratories, engine-rooms and measuring labs, taking part in test operation, failure identification and removal and experimental works);
- ensure the maintenance of operational discipline and the adequate technical condition of machines, devices and instruments in his competency.

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

3117 Mine mechanic technician, mechanic technicia  
7439 Mine mechanic  
3111 Fluid exploiting technician, well-borer technician  
3129 Gas industry 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

<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>In the case of vocational qualifications belonging to the competence of the Ministry of Education (ME), a vocational qualification-related independent professional committee commissioned by the ME.</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> 52 Intermediate vocational qualification entitling the holder to fill positions requiring physical or intellectual work, which is based on the input competence determined in the vocational and examination requirements, on preliminary vocational qualification or on the baccalaureate.</p> <p><b>ISCED97 code:</b> 4CV</p>	<p><b>Grading scale / Pass requirements</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Five -grade:</td> <td style="width: 10%; text-align: center;">5</td> <td style="width: 75%;">excellent</td> </tr> <tr> <td></td> <td style="text-align: center;">4</td> <td>good</td> </tr> <tr> <td></td> <td style="text-align: center;">3</td> <td>satisfactory</td> </tr> <tr> <td></td> <td style="text-align: center;">2</td> <td>pass</td> </tr> <tr> <td></td> <td style="text-align: center;">1</td> <td>fail</td> </tr> </table> <p>Vocational qualification examination after the completion of vocational training</p> <p>Parts of the examination: - Vocational theory - Vocational practice</p> <p>A successful vocational qualification examination requires a pass grade both in vocational theory and practice.</p>	Five -grade:	5	excellent		4	good		3	satisfactory		2	pass		1	fail													
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<p><b>Certificate number:</b> PT K</p> <p><b>Serial number:</b> 123456</p> <p><b>Certificate issue date:</b> 2023.09.14</p>	<p><b>Description of vocational theoretical and practical subjects and their grades according to the five-grade scale</b></p> <p><b>1. Grades of vocational theoretical examination subjects</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Topics/subjects of written examination</td> </tr> <tr> <td style="width: 80%;">Basic Studies of Mechanics</td> <td style="width: 20%; text-align: center;">5</td> </tr> <tr> <td>Mining Machines Engineering and Mining Industry</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Grade of Written Examination</td> <td style="text-align: center;">5</td> </tr> <tr> <td colspan="2">Topics/subjects of oral examination</td> </tr> <tr> <td>Basic Studies of Mechanics</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Mining Machines Engineering and Mining Industry</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Grade of Vocational Theory</td> <td style="text-align: center;">5</td> </tr> <tr> <td colspan="2"><b>2. Assessment of vocational practical preparedness</b></td> </tr> <tr> <td colspan="2">Subjects of practical examination</td> </tr> <tr> <td>Practice of Fitting and Repair</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Technical Measurements, Use of Instruments, Commissioning</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Applied Computer Science</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Grade of Vocational Practice</td> <td style="text-align: center;">5</td> </tr> </table>	Topics/subjects of written examination		Basic Studies of Mechanics	5	Mining Machines Engineering and Mining Industry	5	Grade of Written Examination	5	Topics/subjects of oral examination		Basic Studies of Mechanics	5	Mining Machines Engineering and Mining Industry	5	Grade of Vocational Theory	5	<b>2. Assessment of vocational practical preparedness</b>		Subjects of practical examination		Practice of Fitting and Repair	5	Technical Measurements, Use of Instruments, Commissioning	5	Applied Computer Science	5	Grade of Vocational Practice	5
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<p><b>Access to next level of education/training</b></p> <p>To secondary education</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>Act LXXVI of 1993 on vocational training, Decree 27/2001 (VII. 27.) OM of the Minister of Education on the amendment of Decree 7/1993 (XII. 30.) MüM of the Minister of Labour on the National Qualifications Register, Decree 26/2001 (VII. 27.) OM of the Minister of Education on the general rules and rules of procedure of vocational examinations, Decree no. 50/1999. (IX.10.) GM of the Minister of Economic Affairs on the amendment of Decree no. 5/1997. (III.5.) IKIM of the Minister of Industry, Trade and Tourism on qualifications required for performing specific industrial, commercial and tourism related activities, Decree 20/1996. (III.28.) of the Minister of Industry and Trade (IKM) on vocational and examination requirements of mine mechanic technician, Central programme approved by the Minister of Labour (MüM) under approval number 3026/97. (III.23.).</p>																													

## 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: 70 % Practice: 30 %	
Workplace-based		
Accredited prior learning		
Total duration of the education/training leading to the certificate		2 years

**Entry requirements:**

- Baccalaureate

**Further information:**

**MANDATORY VOCATIONAL THEORETICAL SUBJECTS**

Occupational safety and environmental protection	37 hours
Labour Law, Enterprises and Management	37 hours
Professional foreign language	72 hours
Descriptive Geometry	57 hours
Initial Education in Technical Drawing for Mechanical Engineering	37 hours
Initial Education in CAD	18 hours
Industrial Materials and Prefabricated Products	111 hours
Technology	143 hours
Technical Mechanics	133 hours
Machine Elements	126 hours
Electrical machines	37 hours
Electrical Engineering for the Mining Industry	50 hours
Control technology	70 hours
Fundamentals of Engineering	90 hours
Mechanics for Mines	140 hours
Mining	35 hours
Related Practical Tasks	37 hours
Quality Assurance	18 hours
Design practice	122 hours

**MANDATORY VOCATIONAL PRACTICAL SUBJECTS**

Technical Measurements	144 hours
Basic Practice in the Field of Metallurgy	57 hours
Workshop Training	54 hours
Vocational training	370 hours

**Further information (including the description of the national grading method):**

The basis of the grading system is a list of vocational and examination requirements compiled in accordance with uniform criteria and structure, issued in the form of legal regulation that includes the following:

- identification number and description of the vocational qualification as specified in OKJ and the relevant FEOR number,
- school and vocational prequalification required for the start of the training, aptitude and vocational competence requirements and prescribed practice,
- the most typical occupation or activity accessible to the holder of the vocational qualification certificate, the short job description, and the list of related vocational qualifications,
- the duration of the training required for the vocational qualification; maximum number of hours; the ratio of theoretical and practical training; the number of vocational training classes in the vocational training school; the duration of initial training period; the possibility of organising a grade examination assessing the efficiency of practical training,
- occupational requirements of vocational qualification,
- requirements pertaining to vocational examination.

The vocational and examination requirements will be classified by the occupational group committees of the National Qualification Register (OKJ) and by the National Council for Vocational Training, and subsequently they will be issued in the form of legal regulations.

Vocational and examination requirements are available at: <http://www.nive.hu>

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: 2023.09.14

**SEAL**

SAMPLE