



1. TITLE OF THE CERTIFICATE (HU)

54-523-04 Mechatronikai technikus

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

Mechatronics technician

(THIS TRANSLATION HAS NO LEGAL STATUS)

3. PROFILE OF SKILLS AND COMPETENCES

A typical holder of the certificate is able to:

- operate, maintain and repair traditional and automated machines and equipment as per the quality control system;
- understand and apply operating and service documents (occasionally in a foreign language), perform and/or coordinate installation, commissioning and test runs;
- inspect the machine, explore and identify the location and extent of the fault, repair the fault or take measures to have the fault eliminated by others;
- disassembly structural components, replace or repair faulty parts, then test and commission the mechatronics equipment after assembly;
- operate, configure production parameters, identify and repair faults of PLC controlled automated systems;
- attach a tool to the machining equipment or production line; install, configure, identify and repair any fault of devices;
- operate, maintain, repair, inspect and supervise the operation of pneumatic, hydraulic and electromechanical controls;
- supervise the log generating process of the continuous and critical processes in control systems.

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

3116 Mechanical engineering 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>Name and status of the institute issuing the certificate</p>	<p>Name and status of the national/regional authority providing accreditation/recognition of the certificate</p> <p>Ministry for National Economy</p>																
<p>Level of the certificate (national or international)</p> <p>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</p> <p>ISCED2011 code: 4</p> <p>NQF level:</p> <p>EQF level:</p>	<p>Grading scale / Pass requirements</p> <p>Five -grade: 5 excellent 4 good 3 satisfactory 2 pass 1 fail</p>																
<p>Certificate number: PT K</p> <p>Serial number: 123456</p> <p>Certificate issue date: 2023.10.02</p>	<p>Results achieved at the examination and their proportion expressed in percentage in the complex mark</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Central written examination</td> <td style="width: 40%;">Mechatronics tasks</td> <td style="width: 10%; text-align: center;">5</td> <td style="width: 30%; text-align: center;">25.00</td> </tr> <tr> <td>Oral examination</td> <td>Mechatronics tasks</td> <td style="text-align: center;">5</td> <td style="text-align: center;">15.00</td> </tr> <tr> <td>Practical examination</td> <td>Installation and troubleshooting of mechatronics equipment</td> <td style="text-align: center;">5</td> <td style="text-align: center;">60.00</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	Mechatronics tasks	5	25.00	Oral examination	Mechatronics tasks	5	15.00	Practical examination	Installation and troubleshooting of mechatronics equipment	5	60.00	Result achieved at the complex vocational examination, expressed in grades.		5	
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Result achieved at the complex vocational examination, expressed in grades.		5															
<p>Access to next level of education/training</p> <p>To higher education</p>	<p>International agreements</p>																
<p>Other information concerning the vocational training process</p>																	
<p>Legal basis</p> <p>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.</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: 50 % Practice: 50 %	
Workplace-based		
Accredited prior learning		
Total duration of the education/training leading to the certificate		2 years

Entry requirements:

- Secondary school leaving examination.
- Medical fitness examination is required

Vocational requirement modules:

- 10162-12 Basic tasks in mechanical engineering
- 10163-12 Occupational safety and environmental protection in mechanical engineering
- 10172-12 Test room activities
- 10190-12 Mechatronics mechanical engineering tasks
- 10191-12 Mechatronics electrical engineering tasks
- 11498-12 Employment I (for courses based on secondary school-leaving examination)
- 11499-12 Employment II
- 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