



1. TITLE OF THE CERTIFICATE (HU)

52 5241 01 AUTÓELEKTRONIKAI MŰSZERÉSZ

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

MOTOR VEHICLE ELECTRONICS TECHNICIAN
(THIS TRANSLATION HAS NO LEGAL STATUS)

3. PROFILE OF SKILLS AND COMPETENCES

A typical holder of the certificate is able to:

- as part of vehicle maintenance activities ensuring technical conditions for normal and regular use of vehicles, carry out maintenance activities (condition checks, tests, inspections), technical condition checks, fault determination and fault correction tasks as well as adjustment, setting and part renewal related activities with reference to all electric and electronic parts of vehicles and perform organisational, management, registration and administration related tasks;
- identify vehicles and their main parts necessitated by the actual work to be performed;
- carry out fault finding and technical condition examinations through visual checks, during test drives and through instrument-aided measurements;
- plan work processes and prepare price offers;
- disassemble vehicles as required, remove faulty components and perform further examinations;
- in the case of replacements, identify the faulty component for ordering replacements;
- plan work processes in the case of repairs and renovations;
- assemble repaired parts or main parts and perform reassembling after testing such parts through measurements and tests;
- as part of his/her job, fit accessories and other equipment;
- carry out environmental protection related check measurements on vehicles;
- prepare vehicles for periodic checks and cooperate in performing such checks;
- test performed jobs checking prescribed technical characteristics through measurements and tests;
- issue and fill in required repair, administration and financial settlement related documents.

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

7443 Motor vehicle electronics 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>Level of the certificate (national or international) Level of vocational qualification according to the National Qualification Register: 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. ISCED97 code: 4CV</p>	<p>Grading scale / Pass requirements</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 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>Certificate number: PT K</p> <p>Serial number: 123456</p> <p>Certificate issue date: 2023.09.14</p>	<p>Description of vocational theoretical and practical subjects and their grades according to the five-grade scale</p> <p>1. Grades of vocational theoretical examination subjects</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%;">Vocational studies</td> <td style="width: 20%; 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>Vocational studies</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Labour safety</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Grade of Vocational Theory</td> <td style="text-align: center;">5</td> </tr> </table> <p>2. Assessment of vocational practical preparedness</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Subjects of practical examination</td> </tr> <tr> <td>Final exam project</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Material Tests and Examinations</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		Vocational studies	5	Grade of Written Examination	5	Topics/subjects of oral examination		Vocational studies	5	Labour safety	5	Grade of Vocational Theory	5	Subjects of practical examination		Final exam project	5	Material Tests and Examinations	5	Grade of Vocational Practice	5
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<p>Access to next level of education/training</p>	<p>International agreements</p>																						
<p>Other information concerning the vocational training process</p>																							
<p>Legal basis</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 32/1995. (XII.30) of the Minister of Transport, Communications and Water Management (KHVM) on vocational and examination requirements of transport, communication and water management qualifications, Central programme approved by the Minister of Labour (MüM) under approval number 3338/97. 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: 55 % Practice: 45 %	
Workplace-based		
Accredited prior learning		
Total duration of the education/training leading to the certificate		2 years

Entry requirements:

- Baccalaureate, plus passing the aptitude test

Further information:

MANDATORY VOCATIONAL THEORETICAL SUBJECTS

Occupational safety and environmental protection	74 hours
Basic studies in economics	37 hours
Technical display	74 hours
Technical documentation	70 hours
Study of materials	74 hours
Technical Physics	185 hours
Electronics	111 hours
Technology	70 hours
Structure of Vehicles	175 hours
Electronics of Vehicles	140 hours
Electronics of Motor Vehicles	140 hours

MANDATORY VOCATIONAL PRACTICAL SUBJECTS

Basic Practice	100 hours
Supplementary Module in Mechanics	100 hours
Mechanical Measurements	100 hours
Electrical Measurements	100 hours
Fitting Practice	100 hours
Vehicle Testing and Diagnostics	100 hours
Electronic and Motor Vehicle Related Electronic Measurements	100 hours
Practice in IT Skills	100 hours
Mandatory Elective Practical Subjects	100 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

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