



1. TITLE OF THE PROFESSION

5 0716 19 01 Alternatív járműhajtási technikus

2. TRANSLATED TITLE OF THE PROFESSION

Alternative vehicle drive technician
(THIS TRANSLATION HAS NO LEGAL STATUS)

3. PROFILE OF SKILLS AND COMPETENCES

A typical holder of the certificate is able to:

- undertakes technician and/or garage management tasks at an automotive factory or garage as an employee;
- during his/her work, consults and communicates with the relevant organisations, authorities and manufacturers;
- carries out the quality control, testing and mechanical condition assessment of alternative drive vehicle parts and prepares vehicles for the MOT test;
- carries out repair/assembly work on alternative drive vehicles in accordance with the manufacturer's instructions and the legal provisions, uses foreign language documentation when needed;
- observes and enforces the observance of accident, labour, fire and environmental safety regulations;
- removes and installs the parts of alternative drive vehicles, disassembles, assembles the parts and carries out reparation works;
- performs measurements to assess the mechatronic condition of the vehicle following the repair instructions;
- makes electric circuits based on a circuit diagram and measures voltage, current and resistance;
- performs troubleshooting with diagnostic tools and then fixes the problem;
- carries out a follow-up check after fixing the problem;
- performs organisational, record-keeping and administrative documentation tasks related to the work processes (completes, manages, stores and archives documents);
- performs management and coordination tasks, provides professional support, directs and trains the employees assigned to him/her during production and at the automotive garage;
- maintains communication with customers and colleagues, prepares detailed quotations for customers;
- performs basic logistics activities such as the procurement of materials, inventory making and sales activities;
- he/she has a customer-oriented approach with good communication skills and empathy;
- he/she is familiar with fault and overcurrent protection devices and knows how to use them;
- assembles groups of vehicle parts consisting of mechanical and electrical components.

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

7331 Motor vehicle mechanic and repairer

(*) Explanatory notes:

¹ In the original language. | ² The translation of the designation is provided for information purposes only. | ³ Fill it out if necessary. The certificate supplement provides additional information on the qualification but has no legal value in itself. The format of the description is in conformity with Decision (EU) 2018/646 of the European Parliament and of the Council of 18 April 2018 on a common framework for the provision of better services for skills and qualifications (Europass) and repealing Decision No 2241/2004/EC.

©European Union, 2002-2020 | europass.cedefop.europa.eu ©

5. OFFICIAL BASIS OF THE CERTIFICATE

<p>Name and status of the authority issuing the certificate</p>	<p>Name and status of the national/regional authority providing accreditation/recognition of the certificate</p> <p>Ministry for Innovation and Technology</p>																				
<p>Level of the certificate (national or international)</p> <p>NQF level: 5</p> <p>EQF level: 5</p> <p>Digital Competence Framework level: 7</p>	<p>Grading scale / Pass requirements</p> <p>Five -grade: 5 excellent 4 good 3 satisfactory 2 pass 1 fail</p> <p>The successful completion of all the required training courses is a prerequisite for admission to the sectoral basic examination. The successful completion of all the required training courses and the continuous field practice is a prerequisite for admission to the vocational examination. The result of the basic sectoral examination will be computed into that of the vocational examination with the following weighting: Sectoral basic examination: 20%, Vocational examination: 80%</p>																				
<p>Certificate number: CXK A</p> <p>Serial number: 123456</p> <p>Certificate issue date: 2021.10.11</p>	<p>Designation of the theoretical and practical subjects of the sectoral basic examination and the vocational examination and their grades according to a five-grade scale</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">Sectoral basic examination</td> <td style="width: 20%; text-align: center;">passed</td> </tr> <tr> <td colspan="2">Vocational examination</td> </tr> <tr> <td colspan="2">central interactive</td> </tr> <tr> <td>Basic vocational technician knowledge related to alternative vehicle drives</td> <td style="text-align: center;">5</td> </tr> <tr> <td colspan="2">project exercise</td> </tr> <tr> <td>Assembly and diagnostic tasks performed on alternative vehicles</td> <td style="text-align: center;">5</td> </tr> <tr> <td colspan="2">Result of the vocational examination in percentage</td> </tr> <tr> <td></td> <td style="text-align: center;">100%</td> </tr> <tr> <td colspan="2">Result of the vocational examination with grades</td> </tr> <tr> <td></td> <td style="text-align: center;">5</td> </tr> </table>	Sectoral basic examination	passed	Vocational examination		central interactive		Basic vocational technician knowledge related to alternative vehicle drives	5	project exercise		Assembly and diagnostic tasks performed on alternative vehicles	5	Result of the vocational examination in percentage			100%	Result of the vocational examination with grades			5
Sectoral basic examination	passed																				
Vocational examination																					
central interactive																					
Basic vocational technician knowledge related to alternative vehicle drives	5																				
project exercise																					
Assembly and diagnostic tasks performed on alternative vehicles	5																				
Result of the vocational examination in percentage																					
	100%																				
Result of the vocational examination with 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>Government Decree 12/2020 (II. 7.) on the implementation of the Vocational Education and Training Act, Government Decree 319/2020 (VII. 1.) on the amendment of Government Decree 12/2020 (II. 7.) on the implementation of the Vocational Education and Training Act.</p>																					

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE SUPPLEMENT

Description of the sectoral basic training and the theoretical and practical vocational training	Distribution of the total number of hours of the programme
Total duration of the education/training	3108 hours

Entry requirements:

- Educational attainment: elementary school qualification
- Aptitude requirements: occupational aptitude test

Further information:

VOCATIONAL PRACTICAL SUBJECT	HOURS
Basic electrical knowledge	12 hour
Basic mechanical engineering knowledge	12 hour
Electrical engineering	12 hour
Automotive engineering	12 hour
Automotive electricity and electronics	12 hour
Vehicle manufacture	12 hour
Automotive maintenance	12 hour
Automotive diagnosis	12 hour
Automotive information systems	12 hour
Alternative vehicle drive systems	12 hour
Basics of electric drives	12 hour
High-voltage circuits	12 hour
Fuels and accumulators	12 hour
Hybrid and electric vehicle drives	12 hour
Gas-powered vehicle technology	12 hour
Safety engineering of alternative vehicle drives	12 hour
Diagnostics of alternative vehicle drives	12 hour
VOCATIONAL THEORETICAL SUBJECT	HOURS
Vocational knowledge	12 hour
Vocational foreign language knowledge	12 hour
Basic electrical knowledge	12 hour
Basic mechanical engineering knowledge	12 hour
Mechanics–automotive parts	12 hour
Technology	12 hour
Electrical engineering	12 hour
Automotive engineering	12 hour
Automotive electricity and electronics	12 hour
Automotive maintenance	12 hour
Automotive diagnosis	12 hour
Automotive information systems	12 hour
Alternative vehicle drive systems	12 hour
Basics of electric drives	12 hour
High-voltage circuits	12 hour
Fuels and accumulators	12 hour
Hybrid and electric vehicle drives	12 hour
Gas-powered vehicle technology	12 hour
Safety engineering of alternative vehicle drives	12 hour
Diagnostics of alternative vehicle drives	12 hour
Continuous field practice	160 hour
Altogether	604 hour

Link to the Training and Outcome Requirements and the Programme Plans: <https://ikk.hu>

The present diploma supplement was elaborated in compliance with Government Decree 12/2020 (II. 7.) on the implementation of the Act on Vocational Education and Training.

National Reference Point: National Office of Vocational Education and Training and Adult Learning:
<https://nrk.nive.hu>

Head of Examination Organiser:
Issue date: 2021.10.11

SEAL

MINIFEA