

1. Title of the certificate ¹

Battery Electric Vehicles Specialist Certificate Program (en)

2. Translated title of the certificate ²

Zertifikatsprogramm für batterieelektrische Fahrzeuge

(de)

3. Profile of skills and competences

The holder of the certificate is able to:

Core units

- Knows basic electrical concepts and defines high voltage in electric vehicles
- Complies with occupational health and safety, environmental and quality requirements.
- Knows occupational safety rules and uses occupational safety equipments when working with high voltage electric vehicles.
- Knows the structural features of electric vehicles, distinguishes a vehicle with an internal combustion engine.
- Knows the components of electric vehicles operating with high voltage (electric motor, inverter - converter group, charging systems (OBC), air conditioning compressor, vehicle heating, cooling equipment and high voltage battery).
- Knows the measuring instruments used in electric vehicles and uses measuring instruments (milliohmmeter, voltage detector, insulation tester, ...).
- Makes the process of de-electrification (high voltage cut-off) in electric vehicles.
- Knows and applies fire and emergency rules in electric vehicles.
- Performs non-electric maintenance and repair operations in electric vehicles.

Optional Units (one from)

- Removes and installs the electric motor, inverter - converter group, charging systems (OBC), air conditioning compressor, vehicle heating, cooling equipment and high voltage battery from the vehicle and makes electrical measurements on it.
- Removes and installs the high voltage battery from the vehicle and makes electrical measurements on it.
- Connects the diagnostic device to electric vehicles and detects malfunctions.
- Performs maintenance and repair operations in high voltage system in electric vehicles.
- Electric vehicles intervenes in the high voltage battery, makes battery repair.

4. Range of occupations accessible to the holder of the certificate ³

¹ In the original language. | ² If applicable. This translation has no legal status. | ³ If applicable.

Electric vehicles sales personnel, Electric vehicles maintenance and repair technician, Electric vehicles expert, Electric vehicles emergency response personnel, Electric vehicles maintenance and repair technician, Electric vehicles high voltage technician, Electric vehicles high voltage expert.

5. Official basis of the certificate

Body awarding the certificate

Uludağ Üniversitesi Sürekli Eğitim Uygulama ve Araştırma Merkezi – USEM Görükle Kampüsü 16059
Nilüfer/BURSA Telephone: +90 (224) 294 29 02
www.ulusem.uludag.edu.tr

Authority providing accreditation / recognition of the certificate

Uludag University, Educational Organization

Level of the certificate (national or European) ¹

Grading scale / Pass requirements

Attendance to the 90% of the classes and fulfill the following exam requirements.

Written assessments: 75/100

Examinations: 80/100

Access to next level of education / training ¹

This program does not have a prerequisite.

International agreements on recognition of qualifications¹

There is not any international agreement.

Legal basis

Law of Higher Education no 2547

6. Officially recognised ways of acquiring the certificate

Replace with a description of the way the certificate can be acquired (apprenticeship, school/training centre-based or workplace-based, accredited prior learning) and/or complete the table below.

Description of vocational education and training	Percentage of total programme (%)	Duration (hours/weeks/months/years)
Theoretical hours	40 %	16 hours
Practice-based/case studies	60 %	24 hours
Accredited prior learning		
Total duration of the education / training leading to the certificate		40 hours

7. Additional information

Entry requirements ¹

There is no prerequisite to obtain this document.

¹ If applicable

More information (including a description of the national qualifications system)

www.myk.gov.tr

National Europass Centre

www.europass.gov.tr

¹ If applicable