

Identification

The degree of technician in electromechanics of motor vehicles is identified by the following elements:

- Denomination: electromechanics of motor vehicles.
- Level: middle level professional training.
- Duration: 2,000 hours.
- Professional family: transport and maintenance of vehicles.
- European reference: CINE-3 (International Standard Classification of Education).

General competence

The general competence of this degree consists of performing operations of maintenance, assembly of accessories and transformations in the areas of mechanics, hydraulics, pneumatics and electricity of the automotive sector, adjusting to established procedures and times, and fulfilling the specifications of quality, safety and environmental protection.

List of qualifications and competence units of the National Catalogue of Professional Qualifications included in the degree

Complete professional qualifications included in the degree:

a) Maintenance of the electrical and electronic systems of vehicles, TMV197_2 (RD 1228/2006, of October 27), which covers the following units of competence:

- UC0626_2: Maintaining charging and starting systems for vehicles.
- UC0627_2: Maintaining the electrical auxiliary circuits of vehicles.
- UC0628_2: Maintaining the safety and comfort systems of vehicles.

b) Maintenance of the engine and its auxiliary systems, TMV048_2 (RD 295/2004 of February 20), which covers the following units of competence:

- UC0132_2: Maintaining the thermal motor.
- UC0133_2: Maintaining the auxiliary systems of the thermal motor.

c) Maintenance of power transmission systems and elements of transmission of movement to the road of motor vehicles, TMV047_2 (Royal Decree 295/2004 of February 20), which covers the following competing units:

- UC0130_2: Maintaining hydraulic and pneumatic, direction and suspension systems.
- UC0131_2: Maintaining the transmission and brake systems.

Professional modules

Professional modules	Code	Duration (hours)
Basic machining	MP0260	107
Engines	MP0452	133
Auxiliary systems of motor	MP0453	245
Circuits of fluid, suspension and direction	MP0454	213
Transmission systems and braking	MP0455	187
Loading and starting systems	MP0456	213
Auxiliary electrical circuits of vehicle	MP0457	175
Security and comfort systems	MP0458	157
Training and career guidance	MP0459	107
Business and Entrepreneurship	MP0460	53
Training in workplaces	MP0461	410