

1. Title of the certificate ¹

**Δίπλωμα Επαγγελματικής Ειδικότητας Εκπαίδευσης και Κατάρτισης Επιπέδου 5. Ειδικότητα Ι.Ε.Κ.:
ΤΕΧΝΙΚΟΣ ΜΗΧΑΝΟΤΡΟΝΙΚΗΣ Ν. 4186/2013**

2. Translated title of the certificate ²

**Vocational Training Diploma Initial Vocational Training (I.E.K.) Level 5. Specialty of I.E.K.:
MECHATRONICS TECHNICIAN N. 4186/2013**

3. Profile of skills and competences

LEARNING OUTCOMES (KNOWLEDGE, SKILLS, COMPETENCES).

A typical holder of the certificate is able to:

KNOWLEDGE

- Identify the basic operating principles (theoretical-practical) of diesel engines, gasoline engines, and exhaust systems.
- Identify the basic operating principles of the systems used for transmission, braking, suspension, steering, of differential systems, lubrication systems, hydraulics systems, and of their specific mechanisms in vehicles.
- Present the basic operating principles for electrical, electronic, automation systems and their specific mechanisms, as well as the basic operating principles of automated, semi-automated, and mechanical gearboxes and clutch systems.
- Understand technical terminology, technical service manuals and spare parts manuals for cars - vehicles, motorcycles and mopeds.
- State the basic concepts of this profession in English, using the appropriate technical terminology.

SKILLS

- Properly and safely use suitable tools and instruments for technical measurements and testing (callipers, micrometers, multimeters, and automation).
- Implement advanced diagnostics methods (LED, parallel, OBD I & OBD II).
- Organise their workplace and all in-house forms and files required for the performance of their duties.

COMPETENCES

- Satisfactorily assess working conditions and selects the best possible technical and affordable solutions.
- Diligently implement personal protection and health measures imposed by the law.
- Work both under an engineer's/supervisor's instructions and autonomously, within the framework of responsibilities awarded by virtue of the applicable laws.

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

The holder of the Diploma of this specialty can work in all professional premises where construction, maintenance, diagnosis, repair and inspection of all parts and systems of motor vehicles take place.

The Vocational Training Diploma is recognised as a qualification for appointment in the public sector according to the Presidential Decree no. 50/2001 (Greek Official Gazette 39/Vol. A/5-3-2001), as currently in force.

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

5. Official basis of the certificate

Body awarding the certificate

E.O.P.P.E.P.
(National Organisation for the Certification of
Qualifications and Vocational Guidance)
41 Ethnikis Antistaseos Avenue, 142 34 N. Ionia
<https://www.eoppep.gr/>

Authority providing accreditation / recognition of the certificate

E.O.P.P.E.P.
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and Vocational Guidance)
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Level of the certificate (national or European) ¹

Level 5 National and European Qualifications Framework

Grading scale / Pass requirements

a) acquisition of the Vocational Training Certificate
(V.E.K.) after successful completion of study at the
Vocational Training Institute (I.E.K.)
b) acquisition of the Vocational Training Diploma after:

1. success in the theoretical part of Initial Vocational
Training certification examinations
(Grading scale = 1-20, Pass = 10) and
2. success in the practical part of the Initial Vocational
Training certification examinations (Pass/Fail)

Access to next level of education / training ¹

Yes

International agreements on recognition of qualifications ¹

No

Legal basis

Law 2009/1992 on the National System of Vocational Education and Training
Law 4186/2013 on the Restructure of Secondary Education
Law 4763/2020 on National System of Vocational Education, Training and Lifelong Learning

6. Officially recognised ways of acquiring the certificate

Total duration of the education / training leading to the certificate. Success in the Initial Vocational Training certification examinations 4 semesters (until law 4186/2013) / 5 semesters (after law 4186/2013)

7. Additional information

Entry requirements ¹

Certificate of Upper Secondary School. Qualification of Level 4 (NQF/EQF) // Certificate Vocational Training School (SEK) – Qualification of Level 3 (NQF/EQF)

Following the voting of L. 4763/2020, only by an Upper Secondary Education certificate or an equivalent title of studies (Qualification of Level 4 NQF/EQF)

Indicative subjects taught:

Electrical components and electronic systems for cars - motorcycles, Structure and operation of computer units, Power generation systems, Power transmission systems, Elements of communication theory and system networks in vehicles, Operation, repair and maintenance of cars - motorcycles, Electrical systems of cars - motorcycles, Car - motorcycle fault diagnosis, Vehicle dynamics.

More information

National Qualifications Framework : <https://nqf.gov.gr/> and <https://proson.eoppep.gr/en>

National Europass Centre: **EL/NEC - E.O.P.P.E.P.** National Organisation for the Certification of Qualifications and Vocational Guidance, Ethnikis Antistaseos 41 Avenue, 142 34 N. Ionia, Greece. T.0030 2102709000 europass@eoppep.gr
<http://europass.eoppep.gr> www.eoppep.gr