

1. Title of the certificate ¹

**Δίπλωμα Επαγγελματικής Ειδικότητας Εκπαίδευσης και Κατάρτισης Επιπέδου 5 Ειδικότητα Ι.Ε.Κ.:
ΤΕΧΝΙΚΟΣ ΜΟΤΟΠΟΔΗΛΑΤΩΝ ΚΑΙ ΜΟΤΟΣΥΚΛΕΤΩΝ**

2. Translated title of the certificate ²

**Vocational Training Diploma Initial Vocational Training (I.E.K.) Level 5 Specialty of I.E.K.:
MOPED AND MOTORCYCLE TECHNICIAN**

3. Profile of skills and competences

LEARNING OUTCOMES (KNOWLEDGE, SKILLS, COMPETENCES). A typical holder of the certificate is able to:

KNOWLEDGE

- Identify the types of engines and the types of their subsystems, of motorbikes and mopeds, of conventional and new technology.
- Describe the basic principles of operation for a petrol engine, the exhaust system, and the legislation on noise emission, while explaining the basic principles of operation of the fuel supply systems and the subsystems of motorcycles and mopeds (fuel pumps, etc.).
- Identify the basic operation principles of the following systems: Transmission, braking, suspension, steering, lubrication, hydraulics, electrics, electronic systems, and of the various mechanisms thereof, in motorcycles and mopeds.
- Identify the fuels and the lubricants used.
- Describe the basic technology principles, presenting the principles of organization and operation for a machine shop.
- Identify all types of motorcycles and mopeds, stating the accessories and operations thereof.
- Interpret the mechanical drawings of systems and accessories in mopeds and motorcycles and sketch their parts.
- Describe the instruments for technical measurements and testing (callipers, micrometers, multimeters, and automation instruments).
- Describe the basic elements/principles of machining technology, engineering, material strength, engine components, mechanical drawing, electrical engineering and sensors, thermal machines, internal combustion engines, anti-pollution techniques, dynamic and driving handling of motorcycles, chassis and fairing components.
- State the safety regulations and the law on the protection of employees, the work site, and the environment.
- Understand the basic concepts of his/her profession in English, conducting basic professional communication (in written and in oral form) in English, by using the concepts of his/her profession and technical terms.

SKILLS

- Extract results from simple calculations, by performing simple and basic calculations with the purpose of finding figures in simple applications (volume measurement, unit conversion, etc.).
- Use advanced diagnostics methods (LED, parallel, OBDI & OBD II).
- Check engines, systems for transmission, steering, braking, suspension, lubrication, hydraulics and the various mechanisms thereof, in mopeds and motorcycles, and repairs malfunctions.
- Use technical terminology, read the service manuals and the parts book of motorcycles, and mopeds.
- Apply fire protection measures and properly use dry powder extinguishers.
- Properly operate and maintain machinery, tools (hand and power tools), and devices, considering general instructions, technical specifications, technical manuals, regulations and specifications regarding work safety.
- Provide first aid in the event of minor accidents.
- Manage electronic correspondence, using an office suite.
- Organise his/her work site, keeping it orderly and clean during work.
- Manage the wastes created (hydraulic liquids, lubricants, air filters, oil filters, etc.).
- Cost the works and materials referring to the repair and maintenance, will issuing bills of quantities.

COMPETENCES

- Systematically use and apply the personal protection equipment and health equipment imposed by law.
- Combine the above knowledge and skills in different environments, through a dependent-employment or freelancing relation, as an employee of a small or large business or autonomously, taking the initiative and adjusting his/her behaviour to the various conditions.
- Act both under the instructions of an engineer / superior and autonomously, within the framework of responsibility that applies to him/her from the applicable law.
- Look for the latest information and technological data in his/her profession, by revising his/her initial knowledge.
- Develop constructive and unproblematic collaborations through proper communication both with the customers and with their colleagues, whether receiving or executing instructions.

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

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

The holder of this specialisation certificate may work in businesses associated with motorcycle repair and maintenance, motorcycle sales, motorcycle related business power with I.c.e., services and inspection bodies for vehicles and motorcycles and motorcycle manufacturing industries.

The Vocational Training Diploma is recognised as a qualification for appointment in the public sector falling in the category S.E. (Secondary Education) according to the Presidential Decree no.50/2001 (Greek Official Gazette 39/Vol.A/5-3-2001).

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)
Ethnikis Antistaseos 41 Avenue, 142 34 N. Ionia
<https://www.eoppep.gr/>

Authority providing accreditation / recognition of the certificate

E.O.P.P.E.P.
(National Organisation for the Certification of Qualifications and Vocational Guidance)
Ethnikis Antistaseos 41 Avenue, 142 34 N. Ionia
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Level of the certificate (national or European) ¹

Level 5 National and European Qualifications Framework

Grading scale / Pass requirements ¹

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 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:

Mechanical drawing, Engineering mechanics-materials technology, Principles of thermal machines, Machine technology, Vehicle systems, Electrical Components and sensors, Hygiene – Safety – Environment, Fuel-Lubricants and vehicle fluids, Machine design, Internal combustion engines, Garage Operation, Anti-pollution techniques, Fuel systems, Engines for motorcycles and powertrain, Legislation and vehicle inspection, Technology for frameworks and protective accessories (fairing), Electric motorbike system, Braking systems-Steering – Suspension, Dynamic and driveability of motorcycles, Modern diagnostic methods, Communication techniques - Entrepreneurship, PC Use, English technical terminology.

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

¹ If applicable.