

1. Title of the certificate ¹

**Δίπλωμα Επαγγελματικής Ειδικότητας Εκπαίδευσης και Κατάρτισης Επιπέδου 5 Ειδικότητα Ι.Ε.Κ.:
ΤΕΧΝΙΚΟΣ ΠΕΡΙΕΛΙΞΕΩΝ ΗΛΕΚΤΡΙΚΩΝ ΜΗΧΑΝΩΝ**

2. Translated title of the certificate ²

**Vocational Training Diploma Initial Vocational Training (I.E.K.) Level 5 Specialty of I.E.K.:
POWER ENGINES WINDING TECHNICIAN**

3. Profile of skills and competences

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

KNOWLEDGE

- Present a technical (mechanical or electrical) drawing.
- Know about the operation of tools (manual and power tools).
- Actually reproduce the basic laws of electricity.
- Identify the parts and operation of electrical circuits and connections.
- Separate the electrical materials and correlate them depending on their properties and uses.
- Formulate the operation of electrical motors and transformers.
- Describe the structure and elements of a simple control system (automation).

SKILLS

- Design a facility (using a single or multiple-line drawing) or sketches and accessory.
- Operate a simple control system (automation).
- Manufacture a winding for a single or three-phased motor or transformer.
- Accurately measure and in accordance with the proper methodology, various volumes necessary for his/her work (voltage, current, impedance, insulation impedance, power impedance, capacity, etc.) using instruments for technical measurements (callipers, micrometers, multimeters, megger, etc.).
- Repair any malfunctions in an electrical motor or transformer, taking care for its safe return to operation.
- Resolve simple automation problems in electric motors.
- Identify the risks that apply in every stage of works.
- Select the suitable tools for each work, using them properly and with safety.
- Provide first aid in the event of minor accidents.
- Calculate the cost of materials and work required to complete a phase or the entire task.
- Use computer software for simple applications (preparation of tenders, of a technical folder, of reports, of clientele, etc.).

COMPETENCES

- Follow the health and safety regulations governing his/her work and the law and the basic principles for the protection of the environment.
- Work as an employee of a small or large business or on his/her own, taking initiatives and adjusting his/her behaviour to the various circumstances.
- Look for the latest information and data in his/her profession, by revising his/her initial knowledge.
- Collaborate without problems with colleagues, either accepting or executing instructions.

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

The holder of this Institute of Vocational Training specialisation certificate may work in mining, metallurgical, food or beverage, plastics, colours, paper, textile, fuel, or cement industries, in naval yards, as well as in construction, commercial or services companies that supply, construct, install, or maintain motion, traction, and other facilities.

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).

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

Level of the certificate (national or European) ¹

Level 5 National and European Qualifications Framework

Access to next level of education / training ¹

Yes

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

Authority providing accreditation / recognition of the certificate

E.O.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/>

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)

International agreements on recognition of qualifications ¹

No

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:

Electrotechnics, Electrical machines, Automations, Occupational Health and Safety & Fire protection, Machining applications, Windings of electrical machines, Drawing, Power electronics, Workshop organisation and operation, English, Computer use.

More information

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

National Europass Centre: **EL/NEC - E.O.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.