

1. Title of the certificate ¹

**Δίπλωμα Επαγγελματικής Ειδικότητας Εκπαίδευσης και Κατάρτισης Επιπέδου 5 Ειδικότητα Ι.Ε.Κ.:
ΤΕΧΝΙΚΟΣ ΣΥΝΑΡΜΟΛΟΓΗΣΗΣ ΗΛΕΚΤΡΟΝΙΚΩΝ ΜΙΚΡΟΣΥΣΚΕΥΩΝ**

2. Translated title of the certificate ²

**Vocational Training Diploma Initial Vocational Training (I.E.K.) Level 5 Specialty of I.E.K.:
ASSEMBLY TECHNICIAN OF SMALL ELECTRONIC DEVICES**

3. Profile of skills and competences

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

KNOWLEDGE

- Discern the basic terminology in the field of electronic small devices both in Greek and in English.
- Formulate the basic principles for the technology of electronic components.
- Identify useful sources for the study of design and specification for various electronic small devices.
- Describe the basic principles of Electronic Design.
- Discern the basic principles of telephony, radio broadcasting and television for the inspection, maintenance, and assembly of electronic small devices.
- Combine the principles of electro-technology and applied analogue and digital electronics in low power electrical and electronic circuits, used in different electronic small devices.
- Describe in detail and analyse the individual steps for the assembly of an electronic device, using the corresponding manufacturer manuals.
- Describe the five basic components of a standard micro-computer system.
- Discern and analyse the problems that could come up in an electronic small device and provide the appropriate ways to overcome them.
- Specify clearly the health and safety rules and states the protective measures for any corrective rectification action for malfunctions in the electronic small device hardware.

SKILLS

- Install and operate effectively electronic design software.
- Design and develop simple electronic circuits with analogue and digital electronic elements and applications of electronic systems, as per the relevant specifications.
- Assemble electronic small devices, on his/her own, as per the manufacturer instructions and/or by using the respective manuals.
- Maintain electronic small devices, microprocessors and computers based on the manufacturer's manuals, unattended.
- Check for the proper operation of the electronic small devices, by applying the operating instructions of manufacturers.
- Detect and restore malfunctions in simple and composite electronic circuits and systems (power grids, amplifiers, tiers of TV and radio transceivers) and electronic small devices, using the respective manuals of the manufacturer and the suitable instruments.
- Operate small devices and parts for emitting and receiving audio and image, telephony, radio broadcasting and TV, based on the manufacturer manuals, unattended.
- Perform preventive maintenance on telecommunications systems and subsystems, as well as to automation systems, based on the manufacturer or the facility's operator maintenance program, unattended.

COMPETENCES

- Receive and properly execute the instructions for the assembly and maintenance of the electrical small devices.
- Effectively collaborate with the users and operators of the electrical small devices, in order to support and maintain adequately the devices.
- Operate in accordance with the security policy of the organizations and businesses employing him/her and observe the rules.
- Develop trust with users and customers, inspire a sense of responsibility and safety, as regards the handling of digital data in the systems supported.
- Operate under the legislative framework regarding the protection of sensitive personal data and apply the rules of ethical conduct.

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 workshops or production lines specialised in the marketing and management, assembly, inspection and maintenance, repair and calibration of various small electronic devices.

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/>

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.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:

Electrical circuits, Analogue electronics I, II, Digital electronics I, II, Introduction to Computers, Basic knowledge on telecommunications, Microprocessors I, II, Power electronics I, II, Programmable Logic Controllers, Automated Control Systems, Informatics, Digital structures, Power suppliers, Automated control applications, Project analysis and quality control, Sensors, Dissertation, 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.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.