europass

Certificate supplement

Greece

1. Title of the certificate [1]

Δίπλωμα Επαγγελματικής Ειδικότητας Εκπαίδευσης και Κατάρτισης Επιπέδου 5 Ειδικότητα Ι.Ε.Κ.: ΤΕΧΝΙΚΟΣ ΗΛΕΚΤΡΟΝΙΚΟΣ ΒΙΟΜΗΧΑΝΙΚΩΝ ΕΦΑΡΜΟΓΩΝ

2. Translated title of the certificate [2]

Vocational Training Diploma Initial Vocational Training (I.E.K.) Level 5 Specialty of I.E.K: ELECTRONIC ENGINEERING TECHNICIAN FOR INDUSTRIAL APPLICATIONS

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 and industrial applications.
- Describe the operation of computers, of analogue and digital electronics and discern and analyse the key parts thereof.
- Recognize the fundamentals, rules and characteristics associated with electricity.
- State the individual key parts of a computer system and programmable logic controllers, and analyse their functions, without using manuals.
- Formulate the key principles for automated control.
- Describe a digital electronic circuit and use appropriate instruments to detect faults in the circuit.
- Recognize the instruments and use the appropriate measurement and control devices for electrical and electronic volumes.
- Describe in detail and analyse the individual steps of computer maintenance software and industrial automated control applications, using the corresponding manufacturer's manuals.
- Discern and analyse the problems that could found in a computer, a PLC or any other automated control industrial application and provide the appropriate methods to overcome them.
- Describe the basic diagnostic methods for troubleshooting a computer or a PLC or any other industrial application of automatic control.
- Identify clearly the health and safety rules and states the protective measures for any action to rectify faults in the hardware of computers and PLCs or in other industrial application of automatic control.

SKILLS

- Install and properly configure computers and PLCs or other devices for the industrial application of automatic control, at system hardware or software level.
- Perform preventive maintenance to computers and PLCs or other devices for the industrial application of automatic control, according to manufacturer instructions, unattended.
- Fill the necessary computer maintenance documents of PLCs or other devices for the industrial application of automatic control and update the maintenance logs thereof.
- Restore failures in computers and PLCs or other devices for the industrial application of automatic control using the corresponding manuals of the manufacturer and the appropriate instruments.
- Perform preventive maintenance on computer hardware, based on the manufacturer or the facility's operator maintenance program, unattended.
- Manage and evaluate hardware in computers and PLCs or other devices for the industrial application of automatic control.
- Check the proper operation of the installations of computers and PLCs or other devices for the industrial application of automatic control, applying the manufacturers' operating instructions.
- Take recovery actions against possible failures of hardware, taking backups of data and software and applying the relevant instructions.

COMPETENCES

- Receive and properly perform the manufacturers' maintenance instructions at hardware and software level for the computers and the PLCs or other devices for the industrial application of automatic control.
- Collaborate effectively with users of computers and PLCs or other devices for the industrial application of automatic control, to support and adequately maintain the facilities and the respective hardware.
- Operate in accordance with the security policy of the organizations and businesses employing him/her and observe the rules.
- Develop trust with users, inspire a sense of responsibility and safety, as regards the handling of digital data stored on the PC supported.
- Operate under the legislative framework regarding the protection of sensitive personal data and the protection of software rights, and apply the rules of ethics.

[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 units having automated electronic devices and machinery.
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

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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 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.