

1. Title of the certificate ¹

**Δίπλωμα Επαγγελματικής Ειδικότητας Εκπαίδευσης και Κατάρτισης Επιπέδου 5 Ειδικότητα Ι.Ε.Κ.:
ΤΕΧΝΙΚΟΣ ΑΕΡΙΩΝ ΚΑΥΣΙΜΩΝ**

2. Translated title of the certificate ²

**Vocational Training Diploma Initial Vocational Training (I.E.K.) Level 5 Specialty of I.E.K.:
GAS FUEL TECHNICIAN**

3. Profile of skills and competences

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

KNOWLEDGE

- Interpret and draw a technical drawing, an installation or an accessory in a sketch.
- Explain the methods of production, transport, and distribution of gaseous fuels, the types of fuels, and issues on network technology.
- Identify the types and indicate the operation of transmission and distribution of gaseous fuels, their accessories and functions.
- Show the function of basic electrical circuits, automation systems and the operation of electrical machines.
- List basic elements of engineering, of strength of materials, of mechanical drawing, of engine components, of electrical engineering, of flow and combustion phenomena, for the calculation of pressure drop in pipes and of exhaust gases.
- Demonstrate the safe operation of tools (hand and power tools).
- Describe the basic concepts of his/her profession in English.
- State the basic operations of computer software relevant to the conduct of his/her obligations.
- Explain the basic fire-fighting techniques, the risks related to the use of fuel, and the prevention measures.

SKILLS

- Draw a technical drawing, an installation or an accessory in a sketch.
- Use instruments for technical measurements and testing.
- Extract results from simple calculations.
- Apply the safety regulations and the law on the protection of employees, of the work site, and of the environment.
- Perform works in accordance with the drawings or the instructions provided to manufacture an installation (simple or composite).
- Locate and resolve technical problems arising during his/her work.
- Provide first aid in the event of minor accidents.
- Handle his/her electronic correspondence, use an office suite for simple applications (preparation of offers, reports, clientele, etc.) and locate basic information related to the subject of his work in the internet.
- Systematically use and apply the personal protection equipment and health equipment imposed by law.
- Calculate and cost the works and the materials referring to installations and prepare bills of quantities and the relevant tender files.
- Check gas installations and issue the relevant certificates provided by the respective regulations.

COMPETENCES

- Assess and consider the safety conditions during work and select the best possible solutions.
- Combine the above knowledge and skills in different environments.
- Act both under the instructions of an engineer and autonomously, within the framework of responsibility that applies to him/her from the applicable law.
- 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.

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 certificate can be occupied in fuel network planning and installation companies, in industries that use or produce gas fuels, in natural gas distribution companies, in the National Gas Company, in gas appliances repair shops, in gas appliances sale enterprises. He/She can work as a freelance professional in the maintenance or installation of domestic natural gas networks.

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

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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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

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:

Materials Technology, Mechanics - Strength of Materials, Mechanical Drawing, Machine Technology, Work Safety - Firefighting - Fire Safety, Communication Technique and Business Dexterity, Machine Design, Basic Principles of Fluid Mechanics and Combustion, Protection of the Environment, Elements of Electrotechnics, Specialisation Laboratory, Gas Fuel Characterization - Types - Production, Gas Fuel Transport - Distribution - Storage, Networks Technology, Gas Fuel Quality Control, Legislation – Regulations - Professional Issues, Gas Fuel Installations, Measuring – Automation – Control Instruments, Gas Fuel Applications - Appliances - Boilers, English, Computing.

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.