

1. Title of the certificate ¹

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

2. Translated title of the certificate ²

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

3. Profile of skills and competences

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

KNOWLEDGE

- Sufficiently describe the different productive procedures of the ceramics industry.
- Read a technical plan and draw an object or an installation on paper.
- Proceed to the volumetric, particle and chemical analysis of raw materials.
- Describe the physical and chemical properties of solid bodies.
- Present the basic principles of surface physical chemistry, with emphasis paid on the water suspensions and with applications in clays, glass and enamel.
- Classify conventional ceramics and identifies the properties and applications thereof.
- Describe the operation and the requirements of the equipment and of the production or standardization machines.

SKILLS

- Receive and check raw materials and auxiliary materials of ceramics industry, based on international standards and internal specifications.
- Give shape to ceramic items, having knowledge about the compression of dry mixtures, casting clays, extruding clays, and preparing glass - enamel.
- Check the ceramic objects before and after firing them.
- Manufacture and check auxiliary accessories (casts).
- Prepare and update forms and books provided by internal and international regulations and keep storage files.
- Maintain the control systems and the auxiliary accessories and regulate the operation thereof.
- Learn from the relevant manuals about the operation of the machines operated.

COMPETENCES

- Take decisions to discard or recycle defective products.
- Apply with responsibility the regulations and the specifications for the protection of the environment, for the treatment and disposal of wastes.
- Find any errors during production, update the persons responsible about the production and quality control, and give direct solutions to specific cases.
- Assist the productive procedure for the manufacture of clays.
- Cooperate with other technicians for the observance of occupational health and safety rules.

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

The holder of this specialisation certificate may work in a quality control laboratory, or in any point of the production line, in businesses manufacturing ceramics - sanitary ware, eating ware, tiles, bricks and roof tiles, as well as in businesses producing artistic and tourism items.

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 / training¹

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.
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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 qualifications¹

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 requirements¹

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:

Technical drawing, General physics, General chemistry, General principles of theoretic and applied economics, Principles of statistics and specialised applications, Introduction to mineralogy - petrography, Basic principles of ceramics, Introduction to material strength, Auxiliary materials used in the production of ceramics, History of ceramic art, Clay technology, Processes for the production of ceramics, Devices and equipment of ceramic industry, Traditional ceramics, Vitrification technology, Ceramics decoration techniques, Technical ceramics, Enamel technology, Protection of the environment, Occupational Health and Safety, Practical training, Communication technique - Entrepreneurship, English terminology, 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.