

1. Title of the certificate ¹

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

2. Translated title of the certificate ²

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

3. Profile of skills and competences

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

KNOWLEDGE

- Describe the method for processing metal surfaces with the purpose of altering the properties of the metal surface (nitriding, carburizing, sand blasting and/or shotpeening).
- Recognise chemical metal platings, whether electrolytic or not.
- State the principles of operation of simple machines, such as pumps and hoisting means.
- Formulate the basic principles of electrical chemistry and the issues concerning the corrosion of metallic surfaces.
- Classify the wastes and the process methods thereof.
- Report on methods for managing wastes and recycling raw materials and products.

SKILLS

- Perform preliminary works (chemical and mechanical cleaning) and processing works (metal plating).
- Manufacture test pieces, solutions, and other laboratory materials.
- Check raw materials, solutions and metal plating products created, based on specifications, technical plans or other documents.
- Perform works of scheduled maintenance and for the restoration of damages at a primary level to the equipment used.
- Apply special methods of metal plating - coating (thermal spraying, application of thin coats with vacuum and evaporation techniques), which tend to replace the traditional methods of chemical coating.
- Follow the course of metal plating processes through the indications of the respective measuring instruments and measurements.
- Calculate the cost of the product produced.
- Take care with responsibility the works concerning the packaging, storage and loading at the work area.

COMPETENCES

- Suggest methods to reduce cost and increase productivity in a production line.
- Safely apply the basic health regulations and the regulations of a metal plating workshop and/or metal plating quality control workshop.
- Accurately apply the regulations and specifications of environmental law with regard to solid and liquid wastes.

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 industries where metal plating comprises a part or the entire work flow of the productive procedure.

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

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:

General Mathematics, General Physics, General chemistry, Technical drawing, Occupational Health and Safety, Principles of Theoretical and Applied Economics, Material technology, Analytical chemistry, Surface preparation, Metal plating methods, Statistics, Electrochemistry, Electrolytic metal plating I, II, Non-electrolytic metal plating, Special metal plating techniques I, II, Design and operation of metal plating workshop, Protection of the environment - Management of wastes - Recycling, Quality control of metal plating, Quality control and assurance, Communication technique, Special surface processes, Practical training, 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.