

1. Title of the certificate ¹

**Δίπλωμα Επαγγελματικής Ειδικότητας Εκπαίδευσης και Κατάρτισης Επιπέδου 5 Ειδικότητα Ι.Ε.Κ.:
ΤΕΧΝΙΚΟΣ ΕΡΓΑΛΕΙΟΜΗΧΑΝΩΝ ΑΡΙΘΜΗΤΙΚΟΥ ΕΛΕΓΧΟΥ Σ.Ν.Σ.**

2. Translated title of the certificate ²

**Vocational Training Diploma Initial Vocational Training (I.E.K.) Level 5 Specialty of I.E.K.:
COMPUTER NUMERICAL CONTROL (CNC) MACHINE TOOL TECHNICIAN**

3. Profile of skills and competences

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

KNOWLEDGE

- Understand basic concepts of his/her profession from English to Greek.
- Identify the parts and the operation of machine tools (numerically controlled or not).
- Show the function of basic electrical circuits, automation systems and the operation of electrical machines.
- Present his/her work using a computer (drawing software, electronic office suite).
- Arrange the necessary materials, tools, instruments, and machines in a production procedure.
- Interpret a technical drawing and an accessory in a sketch.
- Describe the basic properties of materials and integrate the main properties of the basic materials in the needs of his/her work.

SKILLS

- Extract results from simple calculations (volume measurement, unit conversion, etc.) and resolve simple trigonometric and geometric problems.
- Operate both conventional and CNC machine tools, including the code for the digital guidance of machine tools (ISO 6983).
- Use instruments for technical measurements (callipers, micrometres, rulers, etc.).
- Process materials using tools (manual and power).
- Handle his/her electronic correspondence and use an office suite for simple applications (issuing of tenders, reports, clientele, etc.).
- Manufactures an object (simple or composite) from a drawing issued to him/her, selecting the suitable tools, instruments, and devices.
- Create programmes for digital guidance in CNC machines.
- Provide first aid in the event of minor accidents.
- Calculate the cost of a production and can rearrange functions and processes in order to reduce it.
- Handle any wastes created, both in solid and liquid form.
- Organise his/her work site, keeping it orderly and clean during work.

COMPETENCES

- Understand the importance of applying the safety regulations on the protection of employees, of work site and environment.
- Sufficiently assess the conditions during work and select the best possible solutions.
- 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.
- Resolve technical problems arising during his/her work.

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

The machine tool numerical control technician is a skilled technician able to perform autonomous, responsible and timely work that arises during the processing of different objects in CNC machine tools and especially in tone and milling. 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.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
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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

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:

Mechanical design, Mechanical Strength of Materials, Safety-Environment protection, Machining Technology, Materials Technology, Machine Elements, Elements of electrical engineering, Machining Technology, Machine Tool Programming CNC, English, Computers

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.