

EUROPASS CERTIFICATE SUPPLEMENT

1. TITLE OF THE CERTIFICATE (EL) ⁽¹⁾

ΤΕΧΝΙΚΟΣ ΕΡΓΑΛΕΙΟΜΗΧΑΝΩΝ ΑΡΙΘΜΗΤΙΚΟΥ ΕΛΕΓΧΟΥ C.N.C.

⁽¹⁾ in the original.

2. TRANSLATED TITLE OF THE CERTIFICATE (EN) ⁽¹⁾

COMPUTER NUMERICAL CONTROL (CNC) MACHINE TOOL TECHNICIAN

The translation has no legal status.

3. LEARNING OUTCOMES (KNOWLEDGE, SKILLS, COMPETENCES)

The holder of a diploma of this specialty:

Knowledge

- Understands basic concepts of his/her profession from English to Greek.
- Identifies the parts and the operation of machine tools (numerically controlled or not).
- Shows the function of basic electrical circuits, automation systems and the operation of electrical machines.
- Presents his/her work using a computer (drawing software, electronic office suite).
- Arranges the necessary materials, tools, instruments, and machines in a production procedure.
- Interprets a technical drawing and an accessory in a sketch.
- Describes the basic properties of materials, integrates the main properties of the basic materials in the needs of his/her work.

Skills

- Extracts results from simple calculations (volume measurement, unit conversion, etc.) and resolves simple trigonometric and geometric problems.
- Operates both conventional and CNC machine tools, including the code for the digital guidance of machine tools (ISO 6983).
- Uses instruments for technical measurements (callipers, micrometers, rulers, etc.).
- Processes materials using tools (manual and power).
- Handles his/her electronic correspondence and uses 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.
- Creates programmes for digital guidance in CNC machines.
- Provides first aid in the event of minor accidents.
- Calculates the cost of a production and can rearrange functions and processes in order to reduce it.
- Handles any wastes created, both in solid and liquid form.
- Organises his/her work site, keeping it orderly and clean during work.

Competences

- Understands the importance of applying the safety regulations on the protection of employees, of the work site, and of the environment.
- Sufficiently assesses the conditions during work and selects the best possible solutions.
- Acts both under the instructions of an engineer and autonomously, within the framework of responsibility that applies to him/her from the applicable law.
- Looks for the latest information and data in his/her profession, by revising his/her initial knowledge.
- Collaborates without problems with colleagues, either accepting or executing instructions.
- Resolves technical problems arising during his/her work.

Explanatory note: This document is designed to provide additional information about the specified certificate and does not have any legal status in itself. The format of the description is based on the following texts: Council Resolution 93/C 49/01 of 3 December 1992 on the transparency of qualifications, Council Resolution 96/C224/04 of 15 July 1996 on the transparency of vocational training certificates, and Recommendation 2001/613/EC of the European Parliament and of the Council of 10 July 2001 on mobility within the Community for students, persons undergoing training, volunteers, teachers and trainers. More information available at: <http://europass.cedefop.eu.int> © European Communities 2002.

4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE CERTIFICATE ⁽¹⁾

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⁾ If applicable

5. OFFICIAL BASIS OF THE CERTIFICATE

Name and status of the body awarding the certificate: E.O.P.P.E.P. (National Organisation for the Certification of Qualification and Vocational Guidance) Ethnikis Antistaseos 41, T.K. 142 34 N. Ionia.	Name and status of the national/regional authority providing accreditation/recognition of the certificate Ministry of Culture, Education and Religious Affairs A. Papandreou 37, Maroussi 151 80 GREECE
Level of the certificate (national and international) Level 5	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 the vocational training accreditation examinations (Grading scale = 1-20, Pass = 10) and 2. success in the practical part of the vocational training accreditation examinations (Pass/Fail)
Access to next level of education / training NO	International agreements NO
Legal basis Law 2009/1992 on the National System of Vocational Education and Training Law 4186/2013 on the Restructure of Secondary Education	

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

Total duration of the education / training leading to the certificate	4 semesters (until law 4186/2013) 5 semesters (after law.4186/2013)
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Additional Information:

Entry Requirements: Certificate of: Upper Secondary School.

Practical Training : until law 4186/2013: 1 semester (optional)
After law 4186/2013: 1 semester -1 year (obligatory)

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.

National EUROPASS Centre (GR/NEC):

E.O.P.P.E.P.

(National Organisation for the Certification of Qualification and Vocational Guidance)

Ethnikis Antistaseos 41, T.K. 142 34 N. Ionia.

<http://europass.eoppep.gr>, www.eoppep.gr