
1. Title of the certificate ¹

**Δίπλωμα Επαγγελματικής Ειδικότητας Εκπαίδευσης και Κατάρτισης Επιπέδου 5 Ειδικότητα Ι.Ε.Κ.:
ΤΕΧΝΙΚΟΣ ΠΡΟΘΕΤΙΚΩΝ – ΟΡΘΩΤΙΚΩΝ ΚΑΙ ΛΟΙΠΩΝ ΜΕΣΩΝ ΑΠΟΚΑΤΑΣΤΑΣΗΣ**

2. Translated title of the certificate ²

**Vocational Training Diploma Initial Vocational Training (I.E.K.) Level 5 Specialty of I.E.K:
TECHNICIAN OF PROSTHETIC - ORTHOTIC AND OTHER REHABILITATION MEANS**

3. Profile of skills and competences

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

KNOWLEDGE

- State the bones and muscles comprising the human musculoskeletal system.
- Describe in summary the role of bones, muscles, vessels, and nerves in human motion.
- Describe the types of joints, the axles and the range of motions performed normally in each of them.
- State the characteristics of the healthy skin and muscular tissue.
- State the medical terminology about neurological illnesses, musculoskeletal illnesses and other illnesses leading to malformations / disability / amputation.
- Reproduce basic principles of physics and engineering with regard to motion, friction, pressure, and behaviour of materials used in orthotic - prosthetic structures.
- State the most frequent materials used to manufacture orthotic - prosthetic machinery and the selection criteria thereof, with the purpose of ensuring maximum safety and efficiency.
- Analyse the method for certifying the safety, suitability and effectiveness of an orthotic structure, within the context of collaborating with a rehabilitation team.

SKILLS

- Inform the patient and his/her relatives about the procedure required for the manufacture of an orthotic - prosthetic machine, the duration and the sessions required, and for the cost for the procedure.
- Evaluate the condition of the patient and report to the physician / rehabilitation team any skin lesions that may require investigation before continuing with the manufacture of the prosthesis.
- Proceed to measurements and taking of imprints by selecting the suitable tools and machinery, with the purpose of manufacturing the prosthesis / orthosis required.
- Prepare a model of the orthotic - prosthetic machine with the purpose of presenting it to the patient and his/her rehabilitation team in order to adjust it to the target treatment plan.
- Select, depending on the instructions of the physician, the suitable material (e.g. plastic, leather, wood) for the manufacture of the orthosis / prosthesis, in order to provide for maximum comfort, strength, and functionality.
- Manufacture the orthotic - prosthetic machinery following the instructions of the rehabilitation team.
- Use materials and tools that comply with the specifications of the manufacturer, always taking into consideration the appropriate safety measures, both for him/herself and for the patient.
- Adjust the orthotic - prosthetic structures to patients, aiming to the best possible comfort, application, functionality, and aesthetics.
- Train the patient and his/her relatives in the application, use, and maintenance of the prosthesis.
- Follow the patient for any adjustments / repairs / malfunctions of the prosthesis.
- Keep a record with the progress of the patient, keeping the rehabilitation team up-to-date.
- Refer the patient to the competent member of the rehabilitation team (physician or physiotherapist), upon discovering any intolerance / malfunction in the application of the orthosis.
- Take care for the aesthetic outcome of the orthotic - prosthetic machine, in accordance with the patient's needs.
- Operate effortlessly a computer, along with power and hand tools.

COMPETENCES

- Support and psychologically encourage the patient and his/her environment, showing patience and empathy for the psychosomatic problems brought by disability / malformation / amputation.
- Work in accordance with the ethics of his/her profession with reliability, responsibility and respect towards patients and colleagues.
- Work together with physicians, physiotherapists, and other healthcare professionals within the context of the patient rehabilitation team.

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 diploma can be employed in Rehabilitation Centre laboratories, in prosthetics and orthotics laboratories, or work as a freelancer.

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/>

Authority providing accreditation / recognition of the certificate

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(National Organisation for the Certification of Qualifications and Vocational Guidance)
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<https://www.eoppep.gr/>

Level of the certificate (national or European) ¹

Level 5 National and European Qualifications Framework

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)

Access to next level of education / training ¹

Yes

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:

Physical Mechanics, Mathematics, Biology, Applied Anatomy I & II, Introduction to Rehabilitation, Kinesiology I & II, Electrical Technology, Design I, II, III & IV, Biomechanics I & II, Movement & Walking Analysis, Elements of Orthopaedic and Rheumatic Diseases, Elements of Neurological Diseases, Amputations, Aids for Walking – Movement and Self-service, Introduction to Prosthetics, Introduction to Orthotics, Laboratory Training in Material and Tool Technology I & II, Practical Training, Laboratory Training in Construction - Assemblage and Application of Prosthetic and Orthotic Devices, 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.