

1. Title of the certificate ¹

**Δίπλωμα Επαγγελματικής Ειδικότητας Εκπαίδευσης και Κατάρτισης Επιπέδου 5 Ειδικότητα Ι.Ε.Κ.:
ΤΕΧΝΙΚΟΣ ΣΧΕΔΙΑΣΗΣ ΚΑΙ ΑΝΑΠΤΥΞΗΣ ΙΣΤΟΣΕΛΙΔΩΝ (WEB DESIGNER-DEVELOPER)**

2. Translated title of the certificate ²

**Vocational Training Diploma Initial Vocational Training (I.E.K.) Level 5 Specialty of I.E.K.:
WEB DESIGNER – DEVELOPER**

3. Profile of skills and competences

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

KNOWLEDGE

- Identify the basic terminology in the field of IT in Greek and in English.
- Describe the operation of computer systems and local networks and discerns the hardware, the software, and the services.
- State the individual key parts of a computer system and analyse their functions, without using manuals.
- Specify the categories, and the key features and capabilities of the major operating systems.
- Formulate the key principles for transmitting data.
- Discern the various database organization models and identify the key functions of a database.
- Decode the procedure for running a program by implementing the necessary algorithmic knowledge, along with knowledge for analysing and synthesizing a problem using different programming languages.
- Examine the content and the functionality that must be included in the different web sites and internet applications.
- Investigate the basic principles for designing and developing dynamic web sites.
- Specify clearly the health and safety rules and states the protective measures for any corrective rectification action for malfunctions in computer hardware and software.

SKILLS

- Install and manage appropriate system software and application software in computer systems in accordance with the instructions of the manufacturers.
- Keep the computer software updated using the corresponding updating functions and online resources.
- Manage and evaluate the equipment in terms of hardware and software in IT systems providing Internet access.
- Maintain the software of Internet and telematics applications, based on the manufacturer manuals, unattended.
- Perform electronic image processing based on modern digital image processing techniques using appropriate specialized software.
- Manage and edit digitized video and audio to create internet applications and interactive web pages.
- Handle multimedia tools for the creation of websites and specialized, integrated website development tools.
- Program and develop internet applications and websites, following specifications.
- Design and develop software for internet and telematics applications, using suitable tools for the development of internet applications and programming languages.
- Handle and support the operation of IT systems for electronic commerce, electronic procurements, electronic tenders and other electronic services, in accordance with the instructions of the manufacturers thereof.
- Take the necessary measures to protect the information systems and electronic services from potential threats.

COMPETENCES

- Receive and properly execute the manufacturer maintenance instructions at computer hardware, software and internet applications level.
- Effectively collaborate with computer users and administrators of IT systems to support and adequately maintain the installed software applications and the respective hardware.
- Effectively collaborate in a software development team for the design and development of IT applications, with focus on web technologies (creation of web pages, websites, multimedia applications, remote education and remote medicine), following the specifications of the software and the instructions of the head of development.
- Operate in accordance with the security policy of the organizations and businesses employing him/her and observe the relevant rules.
- Develop trust with users, inspire a sense of responsibility and safety, as regards the handling of digital data stored on the PC supported.
- Operate under the legislative framework regarding the protection of sensitive personal data and the protection of software rights, and apply the rules of ethics.
- Seek learning, information and training in regard to the exercise of his/her profession and the new trends in the field of IT applications.

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 sectors that include the design, development, support, maintenance, and use of application software with emphasis on web technology.

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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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:

Introduction to Information Technology, Algorithmic and Data structures, Programming language I, II, Operating systems I, II, Data communications and internet technology, Computer networks, Databases I, II, Internet application development tools, Electronic image processing, Labour issues - Law, Communication technique - entrepreneurship, Integrated tools for website development, Video and sound processing, New technologies, Electronic image processing II/animation, E-commerce, Interdisciplinary project, English.

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.