



**EASTERN MACEDONIA AND THRACE INSTITUTE OF TECHNOLOGY**  
**SCHOOL OF TECHNOLOGICAL ENGINEERING**  
**DEPARTMENT OF COMPUTER AND INFORMATICS ENGINEERING**

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**DIPLOMA SUPPLEMENT**

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*This Diploma Supplement follows the model developed by the European Commission, Council of Europe and UNESCO/CEPES. The purpose of the supplement is to provide sufficient independent data to improve the international 'transparency' and fair academic and professional recognition of qualifications (diplomas, degrees, certificates etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It should be free from any value-judgements, equivalence statements or suggestions about recognition. Information in all eight sections should be provided. Where information is not provided, an explanation should give the reason why.*

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**1. INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION**

- 1.1 Family name(s):** ANASTASIADIS  
**1.2 Given name(s):** IOANNIS  
**1.3 Date of Birth (day/month/year):** 1985  
**1.4 Student identification number or code (if available):** 1146

**2. INFORMATION IDENTIFYING THE QUALIFICATION**

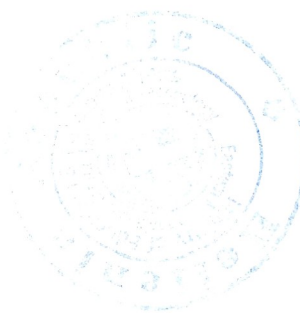
- 2.1 Name of qualification and (if applicable) title conferred (in original language):**  
Ptychio - Πτυχίο  
**2.2 Main field(s) of study for the qualification:**  
Industrial Informatics  
**2.3 Name and status of awarding institution:**  
Eastern Macedonia and Thrace Institute of Technology  
Technologiko Ekpaideftiko Idryma - Public Institution of Higher Education  
**2.4 Name and status of institution administering studies:**  
as 2.3  
**2.5 Language(s) of instruction/ examination:**  
Greek

**3. INFORMATION ON THE LEVEL OF QUALIFICATION**

- 3.1 Level of qualification:**  
Undergraduate  
**3.2 Official length of programme:**  
Duration : 4 years (8 semesters)  
ECTS credits : 240  
**3.3 Access requirements:**
  - Apolytirio (certificate) from Lykeion (High School - Secondary Education) and Pan-Hellenic entrance examinations (second attempt), or
  - Apolytirio (certificate) from Technical Vocational Educational Schools (High School - Secondary Education) and Pan-Hellenic entrance examinations, or
  - Special Categories (like: rate of disability 5%, athletes and Cypriots students, Foreigners-allogeneic, placement exams).

**4. INFORMATION ON THE CONTENTS AND RESULTS GAINED**

- 4.1 Mode of study:**  
Full-time attendance



## 4.2 Programme requirements:

Students graduate after having successfully accumulated 240 ECTS credits

Upon completion of the studies, graduates of the Industrial Informatics Department gain broad technological as well as specialized scientific knowledge and develop skills in design, development and management of hardware and software engineering, communications and services. More specifically, graduates specialize in the following areas:

### a) NETWORKING AND COMMUNICATION:

Design, implementation, deployment and management of communications networks and services, management of communication resources, establishment and management of mobile computing systems and resources, design of telecommunications facilities and systems. Security and protection of data and communications.

### b) PLANNING AND DEVELOPMENT OF COMPUTER SOFTWARE SYSTEMS:

Analysis, design, implementation and management of high quality projects based on high and/or low level programming languages. Implementation of embedded systems based on microprocessors. Intelligent systems and logic programming as well as robotic systems, industrial automation and human-machine interaction systems based on sensor systems. High availability and security real-time systems.

### c) HARDWARE AND DEVICES:

Design, development, installation and maintenance of computer peripherals, embedded systems and complex systems sensors. Design and programming of integrated circuits, computer systems design. Design, implementation, installation and maintenance of industrial systems supported by computers and software production systems.

For more information visit: <http://iiwm.teikav.edu.gr>

## 4.3 Programme details: (e.g. modules or units studied) and the individual grades/ marks/ credits obtained:

The subjects in which the above mentioned student has been examined and got passing grades as well as the subjects for which the student has received recognition or exemption, are the following:

Code	Subject Title	Grade	Examination Period	ECTS
ΓΕ0200	Discrete Mathematics	5.0 five,zero	SEPT. 2005 EXAM	6.0
ΓΕ0300	Technical Writing and Documentation	6.9 six,nine	2004 EXAM	2.0
ΠΡ0101	Computer Programming I	7.5 seven,five	2004 EXAM	8.0
ΤΠ0102	Mathematics I	7.0 seven,zero	JAN. 2006 EXAM	7.0
ΤΠΑ101	Electrical Circuits	7.0 seven,zero	JUNE 2014 EXAM	6.0
ΠΑ0200	Informatics Tools	7.9 seven,nine	JAN. 2004 EXAM	2.0
ΓΕ1200	Manufacturing Technology	5.0 five,zero	JUNE 2004 EXAM	3.0
ΕΠΥ102	Programming Techniques	5.3 five,three	JUNE 2013 EXAM	6.0
ΕΠΥ120	Digital Systems I	5.3 five,three	SEPT. 2010 EXAM	5.0
ΤΠΑ103	Mathematics II	8.0 eight,zero	SEPT. 2013 EXAM	7.0
ΤΠΑ104	Electronic Circuits	5.5 five,five	SEPT. 2014 EXAM	6.0
ΓΕ0251	Elementary English	6.5 six,five	JUNE 2004 EXAM	0.0
ΗΥ0100-1	Computer Assisted Drawing	6.2 six,two	JUNE 2004 EXAM	2.0
ΕΥ0260	Introduction to Software Engineering	5.0 five,zero	SEPT. 2007 EXAM	5.0
ΕΠΥ201	Object Oriented Programming	6.5 six,five	JAN. 2014 EXAM	6.0
ΕΠΥ210	Algorithms and Data Structures	5.0 five,zero	JAN. 2014 EXAM	5.0
ΕΠΥ220	Digital Systems II	5.0 five,zero	SEPT. 2014 EXAM	5.0
ΤΠΑ201	Mathematics III	8.0 eight,zero	JAN. 2014 EXAM	6.0
ΤΠ0404	Introduction to Digital Communications	7.0 seven,zero	JUNE 2009 EXAM	5.0
ΤΠ0405	Technical English	7.4 seven,four	JUNE 2006 EXAM	2.0
ΕΠΥ140	Introduction to Data Bases	6.1 six,one	JUNE 2013 EXAM	6.0
ΕΠΥ221	Microprocessors I - Assembly language Programming	6.1 six,one	JUNE 2010 EXAM	5.0
ΤΠΑ203	Signals and Systems	5.6 five,six	SEPT. 2013 EXAM	6.0
ΤΠΑ206	Quality Management	7.5 seven,five	JUNE 2013 EXAM	5.0
ΕΥ0230	Computer Networks I	5.0 five,zero	JUNE 2009 EXAM	7.0
ΕΥ0341	Intelligent Systems	5.7 five,seven	JUNE 2006 EXAM	5.0
ΕΥ0360	Software Project Management – Software Quality	5.0 five,zero	SEPT. 2007 EXAM	4.0
ΕΠΥ320	Microprocessors II - Real time systems	5.0 five,zero	JUNE 2014 EXAM	5.0
ΤΠΑ304	Control Systems	5.2 five,two	SEPT. 2014 EXAM	8.0
ΕΠΥ311	Nano-Computing Systems	5.0 five,zero	JAN. 2014 EXAM	4.0
ΕΠΥ315	Computer Graphics	5.0 five,zero	JAN. 2014 EXAM	4.0
ΕΠΥ330	Computer Networks II	7.8 seven,eight	SEPT. 2013 EXAM	7.0
ΕΠΥ331	Operational Systems & Programming	5.5 five,five	SEPT. 2013 EXAM	7.0

Code	Subject Title	Grade	Examination Period	ECTS
ΕΠΥ342	Artificial Intelligence & Logical Programming	5.3 five,three	SEPT. 2010	EXAM 6.0
ΕΠΥ300	Internet programming	7.5 seven,five	JUNE 2014	EXAM 6.0
ΕΠΥ334	Distance Education	6.7 six,seven	SEPT. 2013	EXAM 6.0
ΕΥ0161	Profession Ethics	5.0 five,zero	JUNE 2008	EXAM 4.0
ΕΥ0361	Computer Based Systems Engineering	8.8 eight,eight	JAN. 2009	EXAM 8.0
ΤΠ0703	Technical Project Management	5.0 five,zero	FEBR. 2007	EXAM 5.0
ΕΠΥ333	Security & Protection of Computer Networks and Data	5.8 five,eight	JAN. 2014	EXAM 6.0
ΕΠΥ336	Digital Forensics	6.5 six,five	JAN. 2014	EXAM 5.0
ΤΠΑ303	Robotics & Industrial Automation Systems	7.0 seven,zero	JAN. 2014	EXAM 7.0
ΠΡΑΚ	INTERNSHIP	Succ.		10.0
ΠΤΥΧ	DISSERTATION	10.00 ten,zero	14/11/2014	EXAM 20.0
TOTAL ECTS CREDITS				250.0

The column ECTS Credits presents the credits that correspond to each subject

Subjects with no ECTS Credits are not included in prerequisites for receiving the degree

Subjects with grade and 0.0 ECTS Credits are optional and are not incorporated in the final degree

Subject EXEMPTION is applied when a student carries the ECTS from previously completed studies

Subjects' codes are in Greek due to the database design

Title of thesis: «"Alpine ski racing results"»

The internship has been conducted at DEVELOPMENT LTD

Internship is evaluated either 'Successfully' or 'Fail'. The Succ. refers to 'Successfully'

#### 4.4 Grading scheme and, if applicable, grade distribution guidance:

According to the Institution's Internal Regulations, the grading system falls into the 0-10 scale as follows:

8.5-10	: Excellent
6.5-8.49	: Very Good
5.0-6.49	: Good
0.0-4.99	: Fail

At least a grade of 5.0 is required for the successful completion of a course.

For more information: <http://iiwm.teikav.edu.gr>

#### 4.5 Overall classification of the qualification (in original language) :

Grade Average: 6.59 - Very Good - Six and Fifty Nine

### 5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION

#### 5.1 Access to further study:

Access to Postgraduate studies

#### 5.2 Professional status (if applicable) :

According to the Greek Presidential Decree n.183/2008 (official gazette, issue A', no. 246/2008):

Graduates of the Industrial Informatics Department, based on their specialized scientific and technological knowledge, are employed in the private and public sector, either independently or in collaboration with other scientists in the fields of development and maintenance of equipment, development and maintenance of software systems and design and management of electronic communications and services.

They also have the following rights:

- Work in public and private education, in accordance with the current applicable legislation. They can also be employed as members of research teams on areas of expertise.
- Employment in the public sector and promotion in the hierarchy, according to the legislation.
- Participation in studies, provision of related services and projects, in public and private sector, in all categories covered by the subject area of their expertise, according to the applicable legislation.

For more information: <http://iiwm.teikav.edu.gr>

### 6. ADDITIONAL INFORMATION



## 6.1 Additional information:

Graduates are entitled to sit in exams for professional certificates

Erasmus placement at .....

Distinctions / Awards .....

## 6.2 Further information sources:

- TEI of Eastern Macedonia and Thrace, dept. of Industrial Informatics: <http://iiwm.teikav.edu.gr/>
- Hellenic Ministry of Education, Lifelong Learning and Religious Affairs: <http://www.minedu.gov.gr>
- ENIC (European Network of Information Centers in the European Region) and NARIC (National Academic Recognition Information Centers in the European Union): <http://www.enic-naric.net/index.aspx?c=Greece>
- Hellenic NARIC (DOATAP): <http://www.doatap.gr/en/index.php>
- State Scholarship Foundation: <http://www.iky.gr/IKY/portal/en>

Department of Industrial Informatics address:

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DEPARTMENT of INDUSTRIAL INFORMATICS  
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KAVALA - GREECE

E-mail address: [lisec@teikav.edu.gr](mailto:lisec@teikav.edu.gr)

Telephone: 0030-2510-462341 and -349

Fax: 0030-2510-462348

## 7. CERTIFICATION OF THE DIPLOMA SUPPLEMENT

7.1 Date: 21/11/2014

7.2 Name and Signature:

Professor Athanasios Mitropoulos

7.3 Capacity:

President

7.4 Official stamp or seal:

## 8. INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM

### (i) Structure

According to law 2916/2001, higher education consists of two parallel sectors: the University sector (Universities, Polytechnics, Fine Arts Schools and the Open University) and the Technological sector (Technological Education Institutions/TEIs and the School of Pedagogy and Technological Education).

The law 3549/2007 regulates issues concerning governance of higher education along the general lines of increased participation, transparency, accountability and increased autonomy.

The establishment of the International University of Greece aims at facilitating student mobility and increasing the number of places offered in higher education, especially to foreign students. This University will also offer distance learning courses.

The Hellenic Open University provides distance undergraduate and postgraduate education and adult education by developing and using appropriate educational materials and teaching methods.

There are also State Non-university Tertiary Institutes, such as the Higher Ecclesiastical School or the Merchant Marine Academies, offering vocationally oriented courses of shorter duration (2 to 3 years) which operate under the authority of other Ministries.

### (ii) Access

Entrance to the various Schools of the Universities (Panepistimio) and Technological Education Institutions (Technologiko Ekpaideftiko Idryma - TEI) depends on the general score obtained by Lyceum graduates on the Certificate, as described above (subsection 5.iv), on the number of available places (numerus clausus) and on the candidates' ranked preferences among schools and sections.

### (iii) Qualifications

Students who successfully complete their studies at Universities and TEIs are awarded a Ptychio (first cycle degree). First cycle programmes last from four years for most fields to five years for engineering and certain other applied science fields and six years for medicine. The Ptychio leads to employment or further study at the post-graduate level that includes the one year second cycle leading to the second degree, Metaptychiako Diploma Eidikefsis - equivalent to the Master's degree - and the third cycle leading to the doctorate degree, Didaktoriko Diploma.

Recent legislation on quality assurance in Higher Education, the Credit Transfer System and the Diploma Supplement define the framework and criteria for evaluation of university departments and for certification of student degrees. These measures aim at promoting student mobility and contributing to the creation of a European Higher Education Area.

(iv) Ongoing reforms and policy initiatives

Concerning the higher education, wide reforms take place regarding higher education and the Bologna Process. Law 3794/2009 harmonized the operation of the university and technological sectors of higher education and put at the same level Universities and Technological Education Institutions (TEIs)

[http://eacea.ec.europa.eu/education/eurydice/documents/eurybase/national\\_summary\\_sheets/047\\_EL\\_EN.pdf](http://eacea.ec.europa.eu/education/eurydice/documents/eurybase/national_summary_sheets/047_EL_EN.pdf)

As a consequence of the classification of the education institutes, a title (school-leaving, certificate, degree etc.) is compulsory for the student at each education level in order to continue to the next.

A detailed description of the Greek Education System is offered in:

- EURYBASE ([http://www.eurydice.org/Eurybase/frameset\\_eurybase.html](http://www.eurydice.org/Eurybase/frameset_eurybase.html)) and
- EURYDICE (<http://www.eurydice.org>) database of the European Education Systems.

