



Hellenic Republic



UNIVERSITY OF WEST ATTICA

FACULTY OF ENGINEERING

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

UNIVERSITY OF WEST ATTICA  
ANCIENT OLIVE GROVE CAMPUS

250, P. Ralli & Thivon Ave., Athens-Egaleo, GR-12241, Greece

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# DIPLOMA SUPPLEMENT

*The purpose of the Diploma 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 is free from any value judgements, equivalence statements or suggestions about recognition. This Diploma Supplement model was developed by the European Commission, Council of Europe and UNESCO.*

## 1. INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION

- 1.1 Last name(s)
- 1.2 First name(s)
- 1.3 Father's name
- 1.4 Mother's name
- 1.5 Date of birth (dd/mm/yyyy)
- 1.6 Student identification number or code (if available)

## 2. INFORMATION IDENTIFYING THE QUALIFICATION

- 2.1 Name of qualification and (if applicable) title conferred (in original language)
- 2.2 Main field(s) of study for the qualification
- 2.3 Name and status of awarding Institution (in original language)
- 2.4 Name and status of institution (if different from 2.3) administering studies (in original language)
- 2.5 Language(s) of instruction/examination



### 3. INFORMATION ON THE LEVEL AND DURATION OF THE QUALIFICATION

3.1 Level of the qualification

Second Cycle – EQF Level 7

3.2 Official duration of programme in credits and/or years

1.5 Year – 3 Semesters – 90 ECTS

3.3 Access requirements(s)

An annual call for applications is issued by the MSc for 25 places maximum. Applicants should hold a university degree (Level 6 of the NQF/EQF). Degrees from universities outside Greece should be recognized by Hellenic NARIC. Applicants may check the status of their degrees online at <https://www.doatap.gr/national-registry-of-foreign-recognized-higher-education-institutes/>. Electrical and Electronics Engineering degrees are preferred, followed by degrees in other engineering faculties and degrees in sciences. Degrees in other fields are judged per case by the admissions committee.

### 4. INFORMATION ON THE PROGRAMME COMPLETED AND THE RESULTS OBTAINED

4.1 Mode of study

The MSc program is offered by blended learning (face-to-face instruction in class and synchronous distance learning), in either full-time mode (3 semesters) or part-time mode (5 semesters). Attendance of classes is mandatory.

4.2 Programme learning outcomes

Upon successful completion of this MSc program, students are expected to be able to:

1. Demonstrate their expertise in the chosen area of specialization within the field of Electrical and Electronics Engineering. To do so, they are expected to understand, describe and classify the underlying theories, knowledge representation models, methods and tools employed to address existing as well as emerging problems / challenges and open research questions in this area.
2. Analyze problems, construct solutions and comparatively evaluate alternative solutions or approaches within their chosen area of research.
3. Design and implement (initially, under supervision and later on, independently) research plans based on specific research methodologies and protocols, in order to pose, test and accept or reject scientific hypotheses, through theoretic or experimental approaches.
4. Describe and present in an accurate, detailed and complete manner the results of their work, either individual or teamwork, in speech, text or other multimedia form.
5. Collaborate with peer scientists and engineers on cross-disciplinary fields and apply their specialized skills in the development of innovative knowledge and technology.
6. Cultivate and demonstrate their awareness on the rules and ethics of research regarding personal, social, economic and environmental dimensions and the impact of research results on all these axes and discern new / open issues or challenges when and where they arise.
7. Develop their personal research interests in order to proceed to the next grade of PhD studies in more focused / specialized areas within the field of Electrical and Electronics Engineering.

#### 4.3 Programme details, individual credits gained and grades/marks obtained

The courses that the student has successfully attended (M=mandatory courses, E=electives):

| COURSES   | ECTS      | TYPE | GRADE | EXAMINATION PERIOD |
|---|-----------|------|-------|--------------------|
| <b>First Semester</b>   |           |      |       |                    |
| MSCRES.A.01 Research Methodology – Scientific Writing         | 6         | M    |       |                    |
| MSCRES.A.02 Scientific Computing and Mathematical Modeling    | 6         | M    |       |                    |
| MSCRES.A.03 Supervised Research I                             | 18        | M    |       |                    |
| <b>First Semester ECTS</b>                                    | <b>30</b> |      |       |                    |
| <b>Second Semester</b>  |           |      |       |                    |
| MSCRES.B.01 Ethical and Legal Issues of Emerging Technologies | 6         | M    |       |                    |
| MSCRES.B.02 Supervised Research II                            | 24        | M    |       |                    |
| <b>Second Semester ECTS</b>                                   | <b>30</b> |      |       |                    |
| <b>Third Semester</b>   |           |      |       |                    |
| MSCRES.C.01 MSc Thesis (*)                                    | 30        | M    |       |                    |
| MSCRES.C.02 Publication of research results                   | 0         | M    |       |                    |
| MSCRES.C.03 Seminar in Electrical and Electronics Engineering | 0         | M    |       |                    |
| <b>Third Semester ECTS</b>                                    | <b>30</b> |      |       |                    |
| <b>TOTAL ECTS</b>   | <b>90</b> |      |       |                    |

**(\*) MSc Thesis Title - Grade:**

«.....» - \_\_\_\_.

4.4 Grading system and, if available, grade distribution table

The grading scheme is based on the scale of 0 – 10, as follows:

8.50 – 10.00 “Excellent” (“Arista”)

8.49 – 6.50 “Very Good” (“Poly Kala”)

6.49 – 5.00 “Good” (“Kala”)

4.99 – 0.00 “Fail” (“Apotyhia”)

The minimum pass mark for each course is five (5.00) while for graduation the final grade of the degree should be at least six (6.00).

4.5 Overall classification of the qualification  
(in original language)

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## 5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION

5.1 Access to further study

The Master of Science by Research in Electrical and Electronics Engineering gives access to studies of the 3rd cycle (Level 8 of the EQF/NQF) to obtain a PhD.

5.2 Access to a regulated profession (if applicable)

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## 6. ADDITIONAL INFORMATION

6.1 Additional information

Not applicable.

6.2 Further information sources

- Website of the Greek Ministry of Education and Religious Affairs: <http://www.minedu.gov.gr>
- Website of University of West Attica: <https://www.uniwa.gr>
- Website of the Department of Electrical & Electronics Eng.: <https://eee.uniwa.gr>
- Postgraduate studies program website: <https://mscres.eee.uniwa.gr>

**Postal Address:**

UNIVERSITY OF WEST ATTICA – ANCIENT OLIVE GROVE CAMPUS  
MSc by Research in Electrical and Electronics Engineering  
Department of Electrical and Electronics Engineering  
250, Thivon str., Athens-Egaleo, GR-12241, Greece.

## 7. CERTIFICATION OF THE SUPPLEMENT

Date

Official stamp or seal

Head of Department

Professor

Director of the  
Postgraduate Program

Professor

Head of the Secretariat of  
the Department

Administrative Staff

Vice Rector of Academic  
Affairs and Quality  
Assurance

Professor

## 8. INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM

### Key Features of the Education System

The provision of free education to all citizens and at all levels of the state education system is a constitutional principle of the Greek State. The Greek educational system is centralised. National laws, presidential decrees and ministerial acts are prevalent within it. The central administrative body for the education system across all fields, agencies and levels is the Ministry of Education and Religious Affairs. It takes the key decisions related to long-term objectives. It also regulates various issues, such as curricula content, staff recruitment and funding.

According to the Greek Constitution (article 16), higher education is public. It is provided only by institutions which are legal entities of public law. HEIs enjoy full self-administration and academic freedom. They are subject to state supervision. The government finances them. No private HEIs exist in the country. Admission of students has to do with their performance in the national panhellenic exams at the end of grade C of lykeio (upper secondary school).

**Law 4521/2018 established the University of West Attica. It is the merger of two technological educational institutes: TEI of Piraeus and TEI of Athens. According to law 4610/2019 the University of West Attica has merged the National School of Public Health (ESDY).**

## CYCLES OF STUDIES

### First cycle of studies EQF Level 6

During the first cycle of studies, students attend a study programme, which leads to the award of a degree (**titlos spoudon**). Students complete their studies and receive their degree, when they have passed the courses specified in the curriculum and accumulated the required credits. Every academic year includes educational activities corresponding to 60 credits.

Within the first cycle of studies, every institution may organise short cycle study programmes, including modules corresponding to no more than 120 credits, leading to the award of a short cycle training certificate. This certificate is by no means equivalent to a first cycle studies' degree.

Pursuant to the system established by law 4610/2019, all the scientific fields of different departments of higher education are redefined. Based on the new system, faculties are grouped into scientific fields, depending on their fields of knowledge:

Field 1: Humanities, Law and Social Sciences Field 2: Natural and Technological Sciences Field 3: Health and Life Sciences Field 4: Sciences of Economy and Informatics

**Admission requirements:** Graduates of lykeia (upper secondary schools) participate in the panhellenic exams being held simultaneously all over the country. The panhellenic exams are centrally supervised by the Ministry of Education and Religious Affairs. A central exams committee approves the exam topics, taking into consideration the curriculum relevant to grade C of Lykeio (upper secondary school) or EPAL (vocational upper secondary school). The number of new entries in every department of higher education institutes follows the principle of numerus clausus and is defined by the Ministry of Education and Religious Affairs.

The duration of studies at the undergraduate level ranges from four (4) to six (6) years. The teaching load for each academic year is structured in two semesters, while each academic semester includes educational activities that correspond to thirty (30) credits (ECTS).

### Second Cycle Programmes EQF Level 7

Departments of higher education institutions may organise second cycle programmes aiming at the specialisation of graduates in fields of knowledge adherent to the scientific fields of undergraduate study programmes. Furthermore, more than one department of the same or other higher education institutions or research centres and institutes may organise second cycle programmes.

Autonomous departments of national HEIs collaborate with departments recognised as peer institutions or research centres and institutes abroad for the organisation and operation of joint postgraduate study programmes-PMS (law 4485/2017). By decision of the Minister of Education and Religious Affairs, the procedure for the establishment of the joint postgraduate study programmes (PMS) is defined. The issues are regulated in the EPS for any relevant topic (ministerial decision 41931/Z1/19-3-2018). The academic year begins on the 1st of September of each year and ends on the 31st of August of the following year.

The educational programme of each academic year is divided into two semesters. A second cycle programme may begin during the winter or the spring semester.

**Admission requirements:**

All graduates of Greek Universities or of equivalent foreign institutions can be admitted to second cycle programmes. The selection is specified in the regulation of postgraduate studies taking into consideration the following academic criteria: The overall degree grades, the grades obtained in undergraduate modules relevant to those of the postgraduate programme, the student thesis, when a thesis is required at



undergraduate level, any research experience the student might possess. Another prerequisite is the knowledge of at least one foreign language besides the official language of the second cycle programme the student attends. The language's knowledge level is defined by the regulation of postgraduate studies of each second cycle programme.

#### **Programmes outside the Bachelor and Master Structure EQF Level 7**

Completion of first cycle study programmes of 10 semesters minimum duration for the acquisition of a degree in higher education institutions, may lead, under conditions, to the acquisition of an integrated master's degree equivalent to the department's specialisation (law 4485/2017).

### **Doctoral studies EQF Level 8**

Third cycle study programmes include the writing of a doctoral dissertation leading to the award of a doctoral degree. Autonomous university departments organise these programmes. The doctoral degrees are granted by the university the department is associated with. Eligible to apply for a doctoral thesis are postgraduate degree holders of: Greek higher education institutions, Equivalent foreign institutions, Integrated master's qualification according to law 4485/2017. In exceptional cases, non-Masters' Degree holders, may be accepted as PhD students.

**Supervision arrangements:** Writing a doctoral dissertation is a process which demands close cooperation between the doctorate candidate and his/her supervisor. The department's general assembly appoints for each doctorate candidate a supervisor and a three-member advisory committee. The committee's main duty is to provide mentoring to doctoral candidates. The supervisor is one of the three members of the advisory committee.

*For a detailed description of the Hellenic National Higher Education System please consult the file compiled by the Hellenic Service of the European Network for Education EURYDICE*

*[https://eacea.ec.europa.eu/national-policies/eurydice/content/greece\\_en](https://eacea.ec.europa.eu/national-policies/eurydice/content/greece_en)*

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