

DIPLOMA SUPPLEMENT

This Diploma Supplement model was 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 transparency and fair academic and professional recognition of qualifications (degrees, diplomas, certificates, etc.). It is designed to provide a clear notion of the nature, level, content, status and status of the studies for those periods and necessarily completed by the individual or are equivalent qualifications, to which this supplement is attached. It could be used in any way that indicates, experience statements or suggestions about recognition. Information in a Dipl. Section should be provided. Where information is not provided, an explanation should give the reason why.

1. INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION

- 1.1 Family Name(s):
- 1.2 Given Name(s):
- 1.3 Year of birth - Place, Country:
- 1.4 Student identification number or code:

2. INFORMATION IDENTIFYING THE QUALIFICATION

- 2.1 Name of qualification and (if applicable) title conferred (in original language)
Master of Science (MSc) in Modern Electronic Technologies
- 2.2 Main field(s) of study for the qualification
All students follow a unified course of study.
- 2.3 Name and status of awarding institution (in original language)
The University of Ioannina is a Public Educational Institution. It has been subjected to external evaluation/accreditation of the Internal Quality Assurance System in accordance with the current legislation for the period from 01/2018 to 31/12/2018. The evaluation was carried out by a Committee of External Assessors, appointed by the Hellenic Authority for Higher Education. According to the Certification Committee's report, the University's Internal Quality Assurance System complies to a satisfactory degree with the principles of the relevant Quality Standards of the Hellenic Authority for Higher Education and the Quality Assurance Authorities of the European Higher Education Area.
- 2.4 Name and status of institution (if different from 2.3) administering studies (in original language):
As in 2.3.
- 2.5 Language(s) of instruction/examination:
Greek / English.

3. INFORMATION ON THE LEVEL OF THE QUALIFICATION

- 3.1 Level of qualification:
Postgraduate
- 3.2 Official length of programme:
Three (3) semesters.
- 3.3 Access requirement(s):
Qualifications (bachelor, admissions tests, personal interview).

4. INFORMATION ON THE CONTENT AND RESULTS GAINED

- 4.1 Mode of study:
Full time
- 4.2 Programme requirements:
90 ECTS (62 ECTS from courses and 28 ECTS from the Diploma Thesis)

- 5.1 Access to further study:
Access to PhD Thesis.
- 5.2 Professional status (if applicable):
Electrical Engineer A / "Radioelectronics A"

6. ADDITIONAL INFORMATION

- 6.1 Other information:
- 6.1.1 ERASMUS:
The student did not participate in an Erasmus student exchange programme.
- 6.1.2 INTERNSHIP:
The student did not participate in a placement/traineeship programme.
- 6.2 Further information sources:

7. CERTIFICATION OF THE SUPPLEMENT

- 7.1 Issue date: 14/11/2022
- 7.2 Name and Signature: Samuel Cohen
- 7.3 Capacity: Head of the Department
- 7.4 Official Stamp or Seal:

8. THE NATIONAL HIGHER EDUCATION SYSTEM

(a) Organisation and functioning

In accordance with article 16, para.5, Tertiary Education in Greece is public and free. The Law 4485/2017 delineates the structure of Higher Education and the legal form of Higher Education Institutions. Up until 2018 (Law 4009/2011 and 4485/2017), Higher Education was divided into two sectors:

- a) The University Sector (A.E.I.I.), which comprised Universities, Polytechnic Schools, Athens School of Fine Arts, the Hellenic Open University (undergraduate and postgraduate studies by distance) and the International Hellenic University (provision of undergraduate education in a foreign language).
- b) The Technological Sector (T.E.I.I.), which comprised the Technological Educational Institutions and the School of Pedagogical and Technological Education (ASPETE).

Pursuant to the provisions of Laws 4571/2018, 4559/2018, 4589/2018 and 4610/2019, Technological Educational Institutions merged with University Institutions. As of 2019, Higher Education comprises both the University Sector (Universities, Polytechnic Schools, Athens School of Fine Arts, the Hellenic Open University and the former T.E.I.I.) and the Technological Sector (the School of Pedagogical and Technological Education ASPETE). Additionally, there are State Institutions recognised as equal to the Institutions of the Higher Education University Sector conferring equivalent degrees (Higher Military Education Institutions ANI), as well as State Institutions equal to the Institutions of the Technological Sector of Higher Education (Naval Academies AN, etc.). Finally, vocational and any other special training for a period of no more than three years are offered by the State under the supervision of all other Ministries.

(b) Admission

Admission to Tertiary education entails the possession of a school-leaving certificate (Baccalaureate), either from a General or a Technical Lyceum. Admission quotas for all Academic Departments are set according to the designated available places (numbers) classified as these are defined every year by the Ministry of Education and Religious Affairs. Successful admission to a School or a Department are determined by the candidate's performance at the national level entrance examinations, the candidate's choices (by order of preference) of desired Schools/Departments, and the General Admission Grade. Additional examinations in one or more subjects or compulsory preparatory tests are required for admission to specific Departments (e.g. Design for entry in the School of Architecture).

From the academic year 2019-2020 onwards, student admission to the Department of Music Studies at the University of Ioannina requires passing the national entrance exams, organized according to the provisions of the article 19 of Law 4559/2018 (A' 162) as amended and applies (by Law 4589/2019 A' 13).

Student admission to the Department of Fine Arts and Art Sciences of the University of Ioannina requires special entrance examinations in accordance with the relevant Ministerial decision (F. 151/17712/A5 OGG 418/B-2017).

(c) Study Cycles

First Cycle Degree Programmes: It involves the attendance of an undergraduate programme that leads to the acquisition of the corresponding Degree or Diploma. The degree / diploma leads to the labor market, as well as enabling access to secondary / third cycle studies. The duration of studies at the undergraduate level ranges from four (4) to six (6) years. The teaching load for each

4.3 Programme details (modules or units studied and individual grades/marks/credits obtained):

Courses that the student has successfully attended, as well as subjects for which the student has received recognition or exemption.

Code	Course Title	Course Type	ECTS Credits	Examination Period	Grade	ECTS Grading
SEMESTER 1						
ZHT102	Digital Electronics	CC	8,0	FEBR 2021	8	--
ZHT109	Microprocessors-Microcontrollers-Laboratories	CC	8,0	FEBR 2021	9	--
ZHT110	Microelectronics-Design with VHDL-Laboratories	CC	9,0	FEBR 2021	9	--
ZHT103	Physics of Electronic Devices	CC	5,0	FEBR 2021	10	--
SEMESTER 2						
ZHT209	Digital Signal Processing	CC	8,0	JUNE 2021	10	--
ZHT207	Electronic Design-Laboratories	CC	9,0	SEPT 2021	9	--
ZHT201	Analog Electronics	CC	5,0	SEPT 2021	6	--
ZHT208	Telecommunication Principles	CC	8,0	JUNE 2021	9	--
SEMESTER 3						
ZHT301	Thesis/Dissertation	OTHER	30,0	FEBR 2022	9,5	--
TOTAL			90			

Dissertation: «Development of digitally-controlled high-temperature electron-paramagnetic resonance (EPR) spectrometers»

Abbreviations:

- CC: Compulsory Course
- FL: Foreign Language
- FS: Free Selection
- OTHER: Other
- EC: Elective Course
- UND: Unofficial
- OPT: Optional
- CE: Compulsory Elective
- ACC: Accreditation
- ST: Erasmus Course Accreditation

If a double hyphen appears in ECTS Grading field, then either the minimum number of 100 examined students has not been reached or the course has been exempted or accredited.

Students' Classification

The classification of the student's performance is based on the relative score scale of the European Credit Transfer and Accumulation System (ECTS) as described below (Classification ECTS - Percentage of students normally achieving the grade): Grade A = top 10% of passing grades, B = next 25%, C = next 30%, D = next 25%, E = lowest 10% of passing grades. The ranking is calculated on a sample of at least 100 students or otherwise comparative statistical data are used based on students' performance over the last three (3) academic years (Official Gazette of the Hellenic Republic 1466/08.11.2007, Issue II, article 7).

4.4 Grading scheme and, if available, grade distribution guidance:

In the Hellenic Higher Education System, a scale of 1 to 10 applies to the grades of all attended curricular courses as well as the final Degree grade. More specifically, the grading scheme of the final Degree is described below (Ministerial Decision no 2244/4-B, Hellenic Government Gazette no 31/10-3-2005):
 Αριστη (Arista) Excellent: 8,50-10,00
 Αριε Κοζακι (Lian Kalosi) Very Good: 6,50-8,49
 Κοζακι (Kalos) Good: 5,00-6,49
 Minimum passing grade: 5,00

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

"ΑΡΙΣΤΑ" (Excellent) 9,56. The degree was awarded on 6/4/2022.

5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION

academic year is structured in two semesters, while each academic semester includes educational activities that correspond to thirty (30) credits (ECTS).

Enrolled students in the Departments of the former Technological Educational Institutions (TEI) (at the time of entry into force of the above laws) complete the study programme of the TEI Department, they were originally affiliated to, and receive the corresponding degree from the TEI Department.

Second Cycle Degree Programmes: It involves the attendance of a postgraduate study programme, which is completed with the awarding of a Postgraduate Diploma. The normal duration of a such a programme is at least two (2) semesters and the courses correspond to a minimum of 30 credits (ECTS) per semester.

Integrated Masters Degrees: The successful completion of certain study programmes of the first cycle lasting ten (10) compulsory semesters, and on the condition that the criteria of the Law 4485/2017 are met, lead to the award of an Integrated Masters Degree in the specialty of the Department.

Third Cycle Degree Programmes: It includes the preparation of a doctoral dissertation with a duration of at least three (3) full calendar years and is completed with the award of a doctoral degree.

National Quality Assurance System: The provisions of Law 3377/2005 established the assurance of quality in Higher Education and the system of transfer and accumulation of credit units, as the framework of procedures and criteria for the evaluation of academic Departments and for the certification of a student studies were determined. Amongst other things, an enhancing student mobility and contributing to the creation of the European Higher Education Area. With the application of Laws 4009/2011 and 4653/2020, the National Authority for Higher Education (ETHEAE) certifies the quality in higher education.

A detailed description of the National Higher Education System is also available in the National Folder, compiled by the Hellenic Service of the European Network for Education (EURYDICE):
https://eurydice.eu/en/publications/indicators/indicators.php?context=higher_education
<http://www.enr.org.uk/>

1. The General Admission Grade is the average score of the six or seven courses examined nationwide with the accuracy of two decimal places. In combination with the performance in the courses of increased weight of the scientific fields, it determines the points of each candidate and these in turn regulate the admission to Higher Education.