

HIGHER TECHNICAL PROFESSIONAL COURSES

NETWORKS AND IT SYSTEMS



2017/2018 ACADEMIC YEAR



INSTITUTO
POLITÉCNICO
DA MAIA **IPMAIA**

NETWORKS AND IT SYSTEMS

COORDINATOR

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CONTACT DETAILS

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This Higher Technical Professional Course is a vocational training course taught as part of polytechnic higher education and lasts 4 semesters, corresponding to 120 ECTS.

The course is organised into general and scientific training, technical training and on-the-job training (internship), and each student is awarded with a **Higher Technical Professional Diploma at level 5 of the European Qualifications Framework for Lifelong Learning**.

1. Professional profile

The Higher Technical Professional Course in Networks and IT Systems aims to train professionals who are able to **plan, install, configure, administer, maintain and monitor IT systems and networks** that support the different areas of an organisation, in order to guarantee the management and operation of IT equipment and related communication networks.

2. Professional opportunities

Performing duties related to installing, configuring and administering communication networks and services; installing, configuring and administering application servers; planning and designing IT systems and networks.

3. Entry requirements (one of the following)

- 3.1 Having completed a **secondary education course** qualification or a legally equivalent qualification.
- 3.2 Having passed the special exams for assessing capacity to attend higher education for **people over 23** (Decree-Law no. 64/2006 of 21 March).
- 3.3 Holding a technological specialisation diploma, a higher technical professional diploma or a higher education qualification.

4. COURSE STRUCTURE

YEAR 1 - 60 ECTS

	Course units	Sem.	Contact hours	ECTS
General and scientific training	Communicating in the Portuguese Language	1	50	5
	Human Behaviour in Organisations	1	50	5
	Economic and Social Culture	1	50	5
	Technical English	2	50	5
	Art, Culture and Communication in the Digital Age	2	50	5
Technical training	Introduction to Programming	1	50	5
	Computer Architecture	1	50	5
	Data Communication and Networks I	1	50	5
	Operating Systems I	2	60	6
	Data Communication and Networks II	2	60	6
	Internet Technologies	2	40	4
	Project Methodology	2	40	4
			600	60

YEAR 2 - 60 ECTS

	Course units	Sem.	Contact hours	ECTS
Technical training	Systems Programming	1	50	5
	Operating Systems II	1	60	6
	Administration and Management of Networks and IT Systems	1	50	5
	Security of Networks and Systems	1	50	5
	Networks Advanced Services	1	40	4
	Networks and IT Systems Integrated Project	1	50	5
On-the-job Training	On-the-job Training – Internship (750 hours)	2		30
			300	60
		Total	900	120

FOR FURTHER INFORMATION

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Exclusive conditions

- Extensive parking on campus.
- A comfortable, welcoming environment throughout the campus.
- Easy access by public transport, particularly the metro at ISMAI station.
- An environment with new technologies and sport, improved with the construction of a new, state-of-the-art sports complex.

Address

Avenida Carlos de Oliveira Campos
Castêlo da Maia
4475-690 Maia

Telephone number: (+351) 229 866 026

E-mail: info@ipmaia.pt



Metro/Line C - ISMAI

5. Continuing studies – Bachelor's degrees

- 5.1 The application by holders of Higher Technical Professional Diplomas to attend IPMAIA Bachelor's degrees is subject to the conditions established by the institution body that is competent to do so in accordance with the law and the statutes. Depending on the Higher Technical Professional Course and Bachelor's degree, these conditions may establish the need to pass a specific IPMAIA admission exam, or allow the exemption to perform such an exam.
- 5.2 Credits acquired on the Higher Technical Professional Course may be transferred to a Bachelor's degree programme when continuing studies.

Observations

- a) Students who intend to apply for an IPMAIA Bachelor's degree course and must sit the specific admission exam will receive suitable preparation during the teaching of the Higher Technical Professional Course.

