

HIGHER TECHNICAL PROFESSIONAL COURSES

ENVIRONMENTAL QUALITY



2017/2018 ACADEMIC YEAR



INSTITUTO
POLITÉCNICO
DA MAIA **IPMAIA**

ENVIRONMENTAL QUALITY

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 Environmental Quality aims to train professionals **who have the skills to identify and solve environmental problems**, carry out environmental monitoring at industrial and service companies, ensuring compliance with legal and other requirements. Those who successfully complete the course will similarly be ready to implement and manage environmental management systems, and to plan actions and raise awareness among stakeholders about organisations' environmental sustainability and eco-efficiency.

2. Professional opportunities

Management and environmental quality control duties at a variety of organisations (industrial businesses, service companies and laboratories). Performing senior technical functions at entities that manage water treatment and supply systems, sewage and waste water treatment systems and solid waste treatment systems; managing/coordinating events and projects linked to protecting the environment and conserving nature at natural parks, municipal companies, among other public and private bodies.

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	Fundamentals of Mathematics	1	50	5
	Computer Science	1	50	5
	Technical English	1	50	5
	Business Organisation and Management	2	50	5
	Human Behaviour in Organisations	2	50	5
Technical training	General and Environmental Microbiology	2	50	5
	General and Environmental Chemistry	1	50	5
	Quality Management	1	60	6
	Environmental Ethics and Sustainability	1	40	4
	Environmental Law	2	40	4
	Environmental Management Systems	2	60	6
	Quality Tools	2	50	5
			600	60

YEAR 2 - 60 ECTS

	Course units	Sem.	Contact hours	ECTS
Technical training	Equipment Management	1	40	4
	Environmental Technologies	1	50	5
	Waste Management	1	50	5
	Energy Management and Eco-efficiency	1	40	4
	Environmental Impact Assessment	1	60	6
	Environmental Quality Monitoring	1	60	6
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

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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.

