

HIGHER TECHNICAL PROFESSIONAL COURSES

# CONSTRUCTION WORKS MANAGEMENT AND BUILDING RENOVATION



2017/2018 ACADEMIC YEAR



INSTITUTO  
POLITÉCNICO  
DA MAIA **IPMAIA**

# CONSTRUCTION WORKS MANAGEMENT AND BUILDING RENOVATION

## 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 Construction Works Management and Building Renovation aims to train professionals who are able to plan, coordinate and supervise construction works for new construction and building renovation for small, medium or large civil construction companies. Such graduates will also be ready to interpret the technical documents and projects involved in construction activity, as well as to understand and assess problems and coordinate corrective renovation and maintenance work for buildings.

### 2. Professional opportunities

Mid- or high-level staff in civil construction or building renovation companies; site management officials; site preparation officials; site draughtsmen; quantity surveyors; heads of site organisation; coordinators for maintenance activities at companies in the real estate sector; technical and sales activities at building materials companies, technical duties at civil construction speciality companies.

### 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
<b>General and scientific training</b>	Fundamentals of Mathematics	1	50	5
	Computer Science	1	50	5
	Technical English	2	50	5
	Business Organisation and Management	2	50	5
	Human Behaviour in Organisations	2	50	5
<b>Technical training</b>	Computerized Technical Drawing	1	50	5
	Building Materials	1	50	5
	Quality and Environment in Construction	1	50	5
	Planning and Organising Constructions Works	1	50	5
	Construction Technologies	2	50	5
	Project Supervision and Oversight	2	50	5
	Occupational Safety, Hygiene and Health – Construction	2	50	5
			600	60

##### YEAR 2 • 60 ECTS

	Course units	Sem.	Contact hours	ECTS
<b>Technical training</b>	Project Management and Guidance	1	50	5
	Building Maintenance and Renovation	1	50	5
	Pathologies in Construction and Renovation	1	50	5
	Technical Systems in Buildings	1	50	5
	Construction Sites and Equipment	1	50	5
	Energy Management and Efficiency	1	50	5
<b>On-the-job Training</b>	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.

