



## **Programme Specification**

### **Construction Project Management**

**[Feb][PT][AustonSingapore][2yrs]**

Version: 2021-22, v2.2, 12 Jul 2021

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## Section 1: Key Programme Details

### Part A: Programme Information

**Programme title:** Construction Project Management

[Feb][PT][AustonSingapore][2yrs]

**Highest award:** MSc Construction Project Management

**Interim award:** PGCert Construction Project Management

**Interim award:** PGDip Construction Project Management

**Awarding institution:** UWE Bristol

**Affiliated institutions:** Auston Institute of Management, Singapore

**Teaching institutions:** Auston Institute of Management, Singapore

**Study abroad:** No

**Year abroad:** No

**Sandwich year:** No

**Credit recognition:** No

**Department responsible for the programme:** FET Dept of Architecture & Built Environ, Faculty of Environment & Technology

**Contributing departments:** Not applicable

**Professional, statutory or regulatory bodies:**

Chartered Institute of Building

Royal Institution of Chartered Surveyors (RICS)

**Apprenticeship:** Not applicable

**Mode of delivery:** Part-time

**Entry requirements:** For the current entry requirements see the UWE public website

**For implementation from:** 01 February 2022

**Programme code:** K25H12-FEB-PT-FR-K90012

## **Section 2: Programme Overview, Aims and Learning Outcomes**

### **Part A: Programme Overview, Aims and Learning Outcomes**

**Overview:** The urgent need to support economic development in the south west and the UK generally is increasing the number of large construction and infrastructure projects requiring development. There is growing demand for professionals who understand the business aspects of running a company, building technology and the Information and Communication Technologies (ICT) used in the project management of construction (BIM).

The programme aims to develop understanding of the management functions required of and by organisations and projects in construction, including the full spectrum of the development process. This requires students to be able to comprehend and engage in case studies of the process through which buildings and works of civil engineering are created and supported with building information modelling, and, in particular, analyse the environmental, economic, technical, and legal constraints of construction.

MSc Construction Project Management (CPM) is accredited by the Chartered Institute of Building (CIOB) for students studying in the UK only. It's available for both full and part-time study, so you can work towards Chartered Builder or Chartered Construction Manager status if you're already working in the industry.

Learn to effectively manage the construction process to meet client needs within external constraints. Study the principles and practice of project management, construction procurement and law, building information modelling (BIM), managerial finance and sustainability in built environment.

Our construction partners (CIOB) provide a industry knowledge through guest

lectures and recruitment advice to improve your employability on graduation.

On graduation, you could work for UK or global construction organisations concerned with the management and business of developing and constructing buildings and other infrastructure. You will be able to play a leading role in construction project management, engage effectively in improving the process through which companies, practices and projects are managed, use effectively cutting edge BIM technology to support delivery of projects and manage the creation and sustainability of the built environment.

**Educational Aims:** The programme aims to:

Deliver the knowledge, skills and behaviours expected to play a leading role as problem solver and decision maker in the construction management profession, which have managerial and legal challenges relating to time, quality and cost.

Provide all graduates with a deep understanding of the process of development, including the roles and responsibilities of all the stakeholders and the skills required to successfully manage teams of mixed disciplines in the delivery of construction projects.

Enable graduates to respond to environmental and social challenges, by fully realising the critical role that the CPM profession holds in developing a sustainable built environment, including aspects such as built-to-perform construction, low-carbon buildings, zero-waste policies, sustainable procurement, quality-of-life impact factors and whole-life-cycle evaluations.

Give graduates the digital skills required to take full advantage of the opportunities provided by an industry being transformed by computerisation (Building Information Modelling), smart procurement processes and modular off-site construction methods.

Develop self-motivated graduates with the critical-thinking skills required to identify and evaluate issues where research and innovation can be utilised, in an industry undergoing significant change.

A UWE Bristol CPM graduate is expected to have an awareness of the issues associated with ethics in the construction industry, and to demonstrate the transformational behaviours associated with developing progressive management cultures, which can take full advantage of the opportunities that inclusive and diverse workplaces offer.

### **Programme Learning Outcomes:**

#### **Programme Learning Outcomes**

- PO1. Graduates shall demonstrate the ability to explain, critically analyse the construction sector, including economic environment, legal structures, physical features, project management and sustainability in the built environment and financial structures, perform management and technological advancements (Understanding)
- PO2. Graduates shall have the ability to rigorously evaluate the quality of evidence used to support claims, formulate, present, and debate complex ideas, engage with contested concepts and create responses to challenges and requirements of current management paradigms and strategies in the construction industry (Intellectual skills)
- PO3. Graduates shall have the ability to demonstrate originality of ideas and understanding of methodologies applicable to their own study and research (Intellectual skills)
- PO4. Graduates shall demonstrate appreciation of the complexity of policy issues, professional ethics and reflection on their own actions when operating within an environment of uncertainty including identifying and evaluating contemporary construction procurement methods and their associated contractual arrangements (Intellectual skills)
- PO5. Graduates shall have practical and professional skills as per CIOB competencies for the accredited pathways (Subject, Professional and Practical Skills)
- PO6. Graduates shall have the ability to critically evaluate, select, and apply analytical and problem solving techniques, quantitative and qualitative methods and interdisciplinary frameworks to support effective managerial decision-making in complex and unpredictable situations (Subject, Professional and Practical Skills).

- PO7. Graduates shall have the ability to manage their own learning, autonomously work individually and in teams and communicate complex material effectively in various formats tailored to specific audiences (Transferable skills)
- PO8. Graduates shall have the ability to initiate and manage the research process, utilising appropriate methodologies (Transferable skills)
- PO9. Graduates shall have the ability to critically appraise various factors in projects in order to produce solutions that are acceptable in social, economic, environmental and technological terms.

## Part B: Programme Structure

### Year 1

#### Year 1 Compulsory Modules

Module Code	Module Title	Credit
UBLM41-15-M	Construction Procurement and Law 2021-22	15
UBLM79-15-M	Construction Project Management Practice 2021-22	15
UBLMKW-15-M	Managerial Finance for the Built Environment 2021-22	15
UBLM51-15-M	Modern Methods of Construction 2021-22	15
UBLM7A-15-M	Project Management Principles 2021-22	15
UBLMR4-15-M	Sustainability in the Built Environment 2021-22	15

### Year 2

#### Year 2 Compulsory Modules

Module Code	Module Title	Credit
UBLMHF-15-M	BIM in Construction Operations 2022-23	15

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UBLMGW-15-M	BIM in Design Coordination 2022-23	15
UBLLY7-60-M	Dissertation 2022-23	60

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### **Part C: Higher Education Achievement Record (HEAR) Synopsis**

The programme aims to develop understanding of the management functions required of and by organizations and projects in construction, including the full spectrum of the development process. This requires students to be able to comprehend and engage in case studies of the process through which buildings and works of civil engineering are created and supported with building information modelling, and, in particular, analyse the environmental, economic, technical, and legal constraints of construction.

### **Part D: External Reference Points and Benchmarks**

The programme is designed to be consistent with the Faculty and University policies on teaching, learning and assessment and with the requirements set out in the CIOB Education Framework for Master's degree programmes 2019 .

The programme has been designed to take into account the research expertise available within the Faculty and in particular the Centre for Architecture and Built Environment Research. This research will strongly underpin the programme content, particularly in the area of innovation in the management of projects and information communication technology.

The development of the programme has been influenced by government, employers and professional bodies, such as the: Chartered Institute of Building; Association for Project Management; Constructing Excellence; and the Royal Institution of Chartered Surveyors.

Links with employers through part time students and their interaction between academia and practice are maintained through the Construction Consortium, CIOB Novus and Constructing Excellence.

**Part E: Regulations**

Approved to University Regulations and Procedures.