



## **Programme Specification**

### **Construction Project Management [Feb][FT][AustonSingapore][16months]**

Version: 2020-21, v3.2, 01 Mar 2022

#### **Contents**

<b>Programme Specification</b> .....	<b>1</b>
<b>Section 1: Key Programme Details</b> .....	<b>2</b>
Part A: Programme Information .....	2
<b>Section 2: Programme Overview, Aims and Learning Outcomes</b> .....	<b>2</b>
Part A: Programme Overview, Aims and Learning Outcomes .....	3
Part B: Programme Structure.....	7
Part C: Higher Education Achievement Record (HEAR) Synopsis .....	8
Part D: External Reference Points and Benchmarks .....	10
Part E: Regulations .....	10

## Section 1: Key Programme Details

### Part A: Programme Information

**Programme title:** Construction Project Management

[Feb][FT][AustonSingapore][16months]

**Highest award:** BSc (Hons) Construction Project Management

**Interim award:** BSc Construction Project Management

**Interim award:** DipHE 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

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

**Professional, statutory or regulatory bodies:** Not applicable

**Modes of delivery:** Full-time

**Entry requirements:**

**For implementation from:** 01 February 2019

**Programme code:** K25J-FEB-FT-AU-K25D

## 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.

BSc(Hons) Construction Project Management (CPM) is accredited by the Chartered Institute of Building (CIOB). 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 of economics, business, law, building information modelling (BIM), building design and science, and construction technology and management. Apply your knowledge and skills to real-life scenarios in a work-based research project or dissertation on a specific topic of interest. Our construction partner employers provide industry knowledge, placements and recruitment advice to improve your employability on graduation. You'll get to work in teams across professional disciplines in a way that reflects industry practice.

Discover new techniques and approaches on site visits and field trips. Test your skills on a placement, which may qualify as part of the professional development required to achieve Chartered status.

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'll have opportunities to work in project management, quantity surveying, property development, facilities and asset management.

**Features of the programme:** Description of Distinctive Features and Support

## Professional recognition:

This programme is accredited by the Chartered Institute of Building (CIOB) which provides exemption for all of the written examinations of the CIOB. The CIOB is the principle institution for professionals entering the construction management profession.

## Placement year:

Students taking the sandwich delivery undertake a year out in an approved placement. The placement can also contribute to the 3 years of industry experience which is required before applying for professional membership of the CIOB.

## Skills Development:

The programme has been approved by the CIOB and meets the requirements of their 'Education Framework for Undergraduate Programmes'

## Inter professional ethos:

There is an inter-professional core theme which runs through the course and promotes the understanding of issues between different built environment professionals. It uses group work and interdisciplinary themes to encourage more productive project relationships.

## Work Based Learning:

There is an opportunity for part time students in relevant employment to take 30 credits of work based learning reflecting on their learning at work.

**Educational Aims:** The overall aims of the programme are to:

To deliver graduates with 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.

To 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.

To 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.

To 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.

To 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.

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A 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:**

On successful completion of this programme graduates will achieve the following learning outcomes.

**Programme Learning Outcomes**

- PO1. Graduates shall demonstrate the ability to use value judgement in developing solutions relating to complex construction management problems, accounting for risk and monitoring progress / completion using recognised review techniques.
- PO2. Graduates shall demonstrate an ability to use advanced inter-disciplinary communication techniques in areas such as productivity, conflict resolution and motivational leadership.
- PO3. Graduates shall demonstrate the ability to critically evaluate the impact of sustainable initiatives relating to construction project management.
- PO4. Graduates shall demonstrate the ability to evaluate the risks associated with proposed construction technologies relating to supply chain and constructability.
- PO5. Graduates shall demonstrate an ability to identify the opportunities and limitations of computerisation and evaluate their net impact.
- PO6. Graduates shall demonstrate the ability to critically analysis how construction psychology has an impact on the culture of health and safety on construction organisations
- PO7. Graduates shall demonstrate an ability to reflect critically on their personal approach to ethics and how they can continually improve.
- PO8. Graduates shall demonstrate and ability to conduct independent investigation into innovations and an awareness of enterprise relating to construction environment.

**Assessment strategy:** A variety of assessment methods are used to support you in developing the skills you will need professionally, including oral presentation, research and project reports. Project and design reports may be based on a portfolio or work completed over the session. Analytical reports will also be used as well as discursive questions in open and closed examinations.

Group projects are used to assess students' ability to integrate a variety of

approaches and sources of information including some peer group assessment and oral presentations.

The ability to design and undertake research is assessed through a range of projects and finally via (Level 6) Dissertation/Project module.

Work Based Learning is assessed by analytical and reflective reports. An analytical report of fieldwork is included in the project management module.

**Student support:** There is an inter-professional core theme which runs through the course and promotes the understanding of issues between different built environment professionals. It uses group work and interdisciplinary themes to encourage more productive project relationships.

## Part B: Programme Structure

### Year 1

The student must take 120 credits from the modules in Year 1. Students join via Direct Entry at Level 5.

### Year 1 Compulsory Modules

The student must take 120 credits from the modules in Compulsory Modules.

Module Code	Module Title	Credit
UBLMYB-30-2	Construction Technology and Building Services 2020-21	30
UBLMRT-30-2	Procurement and Contract Practice 2020-21	30
UBLMGJ-15-2	Professional Practice for the Built Environment 2020-21	15
UBLLYR-30-2	Project Management Tools and Techniques 2020-21	30

UBLLY8-15-2	Site Management 2020-21	15
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## Year 2

The student must take 120 credits from the modules in Year 2.

### Year 2 Compulsory Modules

The student must take 120 credits from the modules in Compulsory Modules.

Module Code	Module Title	Credit
UBLMNE-15-3	Collaborative Practice 2021-22	15
UBLLYV-30-3	Dissertation A 2021-22	30
UBLMKT-15-3	People and Financial Management 2021-22	15
UBLLXF-30-3	Strategic and Operational Management 2021-22	30
UBLMFQ-30-3	Technological Innovation and Life Cycles 2021-22	30

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

This degree develops graduates who have the technical and managerial skills, required by the profession and the necessary breadth of knowledge to see their role in a wider context and work effectively alongside other professionals within the built environment. Graduates will be able to demonstrate an understanding of the contemporary issues faced by the construction industry, such as the sustainability agenda, and play a leading role in the development of appropriate construction solutions to meet the challenges posed.

During the programme there is gradual shift in focus from science, engineering and technology in the first year towards operational and strategic management in the later stages. Graduates will be able to demonstrate an understanding of the entire process of development (whole life cycle), and will have specific knowledge of the 'Production' and 'Use' phases of development. They will be able to apply their



knowledge to deliver client and user satisfaction, through the effective assembly, management and development of resources through the context of the site, the project, the construction organisation and the supply network.

Construction Management graduates will have in-depth knowledge of project production management. They will be able to select and use appropriate items of surveying equipment required for the accurate setting out and control of a building. They will be able to develop operational plans, which include the co-ordination of interfaces between different trades, to ensure that projects can be conducted in an economic, safe and sustainable manner. They will also be able to identify the elements of construction contract and the obligations and responsibilities of the parties and the effect on the cost and administration of the project.

Graduates of the Commercial Management pathway will have more in-depth knowledge of the financial, legal and procurement aspects of projects and construction organisations. They will be able to develop, present and analyse with confidence business and legal documentation affecting construction projects. They will be able to advise on the suitability of procurement options and the associated risks that impact on the financial management of project. They will also have the ability to analyse cost, quantities and thereby determine the price for construction works at the design, tendering and final account stages of the works.

All graduates from the programme will be able to gather and critically evaluate evidence and information from a range of sources, enabling them to identify and analyse problems across a range of contexts using appropriate concepts and frameworks. As such, graduates will be able to draw evidence-based conclusions, develop judgements, create and evaluate alternative solutions and make decisions on the application of these solutions. They will be able to communicate information and ideas clearly and coherently through written, graphical and oral means.

Additionally, graduates will have demonstrated that they are able to reflect on and evaluate their own performance and respond positively to feedback. They will be able to demonstrate time management skills through the effective organisation and

prioritisation of workloads. They will also be able to negotiate with others and work as a team to achieve specific objectives.

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

The programme draws on the QAA benchmark statements in construction, Property and Surveying as shown in the Learning Outcomes above.

Faculty and University policies on teaching, learning and assessment including a strong emphasis on formative work, skills development and innovative approaches to teaching and learning.

The programme is underpinned by staff consultancy, professional practice and research.

The course team have excellent links with local employers who advise the course team on the content and structure of the programme through the Construction Consortium that meets three times a year.

#### **Part E: Regulations**

Approved to University Regulations and Procedures.