



PROGRAMME SPECIFICATION

Part 1: Information	
Awarding Institution	UWE Bristol
Teaching Institution	UWE Bristol
Delivery Location	Frenchay Campus, UWE Bristol
Study abroad / Exchange / Credit recognition	
Faculty responsible for programme	Faculty of Environment & Technology
Department responsible for programme	Architecture and the Built Environment
Professional Statutory or Regulatory Body Links	Chartered Institute of Building (CIOB)
Highest Award Title	BSc(Hons) Construction Project Management
Default Award Title	
Interim Award Titles	BSc Construction Project Management DipHE in Construction Project Management Certificate of Higher Education in Construction Project Management
UWE Progression Route	
Mode of Delivery	FT and SW with foundation year
ISIS code/s	K25D (FT); K25D (SW) Primary targets: K25K13 (FT) K25K (SW)
For implementation from	September 2019

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Part 2: Description

The aim of the Faculty's construction project management programmes is to respond to the need for effective practitioners by offering programmes that are intellectually challenging and provide a mixture of theoretical and practical learning experiences. The practitioner approach is intended to produce construction managers with a strong orientation towards problem solving, underpinned by theoretical knowledge.

This programme will produce graduates with a broad range of construction project management skills, who have the technical depth required by the profession and the necessary breadth of knowledge required to see their roles in a wider context and work effectively alongside other built environment professionals. The need to develop collaborative working is particularly relevant to the modern construction industry which has to meet the challenges of low carbon construction.

The overall aims of the programme are to:

1. Motivate and equip graduates to play a leading role in meeting the challenges posed by changes in the construction industry, and to exploit the opportunities offered by these changes.
2. Develop students' intellectual, analytical and problem solving skills and encourage the development of mature and independent judgement leading to effective decision making.
3. Provide a forum for learners to share their developing experience, knowledge and skills, in particular with students on other built environment professional awards.
4. Enable students to identify and evaluate research and innovation needs within the profession and provide support for research and project work.
5. Set professional activity within the context of the political, economic, social, legal, technical and environmental factors that influence the evolution and development of the built environment.
6. Engender an attitude within students towards intellectual enquiry and learning which will encourage students to consider the award as only the first stage of a lifelong educational process, including the possibility of embarking on further studies at postgraduate level.

Programme requirements for the purposes of the Higher Education Achievement Record (HEAR)

The foundation year is common with a number of other construction and property programmes which allows flexibility for students to transfer between programmes in this subject as their subject and/or professional interests develop through the year. Student progression from level 0 is dependent on students meeting minimum levels of attainment determined by the award board. Graduates will be able to effectively manage the construction process to meet client needs within external constraints.

Regulations

A: Approved to [University Regulations and Procedures](#)

It is the Award Board's responsibility to determine whether the student's attainment at level 0 is sufficient to progress to level 1.

Part 3: Learning Outcomes of the Programme

The focus of the foundation year (level 0) is on the acquisition of both academic skills and relevant subject knowledge to allow students to develop and progress through levels 2, 2 and 3 in relation to knowledge and understanding, cognitive, subject specific and study skills.

The award route provides opportunities for students to develop and demonstrate knowledge and understanding, qualities, skills and other attributes in the following areas.

A. Knowledge and Understanding

1. The scope and complexity of development and construction processes and the economic, political and social factors that shape these processes
2. The functional performance of the building fabric, its structure and environmental systems, and the assumptions / principles that lead to an effective combination of these aspects in the design and construction of buildings
3. The scientific properties of building materials and components and their likely behaviour; during construction, in operational use and in the subsequent processes of disposal or recycling; and consideration of how these help to deliver sustainable construction.
4. The management of health and safety in the construction context, the legal and ethical responsibilities placed upon construction practitioners and how these are effectively fulfilled.
5. The strategies employed to manage people and lead the construction process.
6. The elements of construction contracts and how the resultant obligations and responsibilities placed upon the parties involved influence the cost and administration of the project.
7. Contemporary construction procurement methods and their associated contractual arrangements.
8. The use of IT in the construction process and its evolving strategic importance for the management of the construction process
9. The needs of construction industry clients and the importance of time, cost, quality and value management throughout the whole life cycle of projects.
10. A range of tools and techniques that are used in an operational management role to achieve the optimum utilisation of all the resources used in the production process.
11. The variable internal and external factors affecting production technologies, resources of production, buildability and the production process.
12. The current management paradigms and strategies and their implementation in the context and culture of the construction industry.

B. Intellectual Skills

1. To bring a broad professional and ethically informed perspective including safety, environment and social awareness, to bear on issues relating to construction.
2. To analyse the requirements of construction industry clients and develop sustainable solutions that provide value throughout the whole life cycle of projects.
3. To analyse situations and problems critically, objectively and logically and subsequently postulate, justify and implement realistic solutions.
4. To demonstrate imagination and creativity in the resolution of problems and project management.
5. To recognise the role of value judgements in social, economic and technological decisions, and identify their source, effect and the necessity of arriving at realistic solutions.

Part 3: Learning Outcomes of the Programme

6. undertake research and critically evaluate business and construction information from a range of sources, to support innovation and decision making.
7. To analyse and plan how resources used in the construction process can be utilised to achieve optimum resource utilisation and productivity to ensure that the design is brought to fruition to the required levels of quality and reliability within financial, legal, time environmental and safety constraints.
8. To communicate and justify solutions to those concerned with the design and production of buildings.

C. Subject/Professional/Practical Skills

1. To employ laboratory based experimental work to enhance the understanding of scientific concepts.
2. To produce well-proportioned sketches and undertake and interpret formal drawings.
3. To analyse both design and operational practice, and develop safe systems of work, which protect the environment and the health and safety, of those affected by construction processes.
4. To apply mathematical applications appropriate to the study of construction.
5. To employ planning models to identify and schedule the types of resources needed for building operations.
6. Calculate and produce cost analysis and estimating data in standard formats.
7. To design and execute research using a variety of data collection methods including drawing on the existing literature and using experimental methods.
8. To plan and co-ordinate both people and technical tasks to achieve the overall work functions associated with the management of construction, including the co-ordination of interfaces between different trades.
9. To plan developments appropriate to the project environment and market conditions.
10. To develop operational methods that can be conducted in an economic, safe and sustainable manner.

D. Transferable Skills and other attributes

1. To integrate information from a range of sources effectively and interpret, analyse and communicate findings.
2. To demonstrate effective written, visual and oral presentation skills.
3. To demonstrate expertise in the application of IT in the context of the construction industry.
4. To communicate information and ideas clearly, imaginatively and succinctly.
5. To utilise and communicate information in quantitative terms and recognise the limits of error inherent in this approach.
6. To work independently, or as part of a cognate or multi-discipline team; in a range of contexts and with respect and understanding for the perspectives of others with an awareness of equal opportunity issues.
7. To identify and apply strategies to manage people and lead the construction process.
8. To use management, inter-personal and negotiation skills to deal with tensions and conflict.

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Part 3: Learning Outcomes of the Programme																			
Learning Outcomes (abbreviated):	UBLMLR-30-0	UBLMMA-15-0	BGMNR-15-0	UBGMPR-30-0	UBLMPA-30-0	UBLMPC-30-1	UBLMSS-30-1	UBLMYS-30-1	UBLLWV-30-1	UBLMYB-30-2	UBLLY8-15-2	UBLLYR-30-2	UBLMRT-30-2	UBLMGJ-15-2	UBLMFQ-30-3	UBLLXF-30-3	UBLMNE-15-3	UBLMKT-15-3	UBLLYV-30-3
A) Knowledge and understanding of :																			
1.Complexity of construction processes					X	X				X		X							
2.Performance of building fabric, structure and services							X	X	X	X									
3.Science of building materials and components						X													
4.Health and safety management								X		X	X						X		
5.Management of people and leadership						X						X						X	
6 Construction procurement and contracts						X							X		X				
7.IT in construction			X				X		X		X								
8.Client needs and management of value									X							X	X		
9.Production technologies								X		X	X				X				
10.Current management paradigms and strategies						X					X	X				X		X	
B) Intellectual Skills																			
1.Application of professional ethics		X	X	X		X								X			X		
2.Critical analysis of client needs and situations									X					X	X				
3.Creative, objective and logical problem solving					X			X		X			X		X	X			
4.Value judgements in social economic and technological decision making				X		X									X				
5.Planning and utilisation of resources in construction				X						X	X					X		X	
6.Communicate and justify building design and production solutions								X		X					X	X			
C) Subject/Professional/Practical Skills																			
1.Experimental laboratory work							X												
2.Sketching and interpretation of drawings								X	X						X				
3.Analysis design and operations and develop safe and sustainable systems				X	X		X	X	X	X					X				
4.Planning and scheduling of resources								X		X	X					X			
5.Building cost analysis and estimating						X										X			
6.Design and execution of research	X													X					X
7.Planning and co-ordination of people and technical tasks											X	X				X			
D) Transferable skills and other attributes																			

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Part 3: Learning Outcomes of the Programme

1.Integrate, interpret, analyse information and communicate findings	x				x														
2.Effective communication skills	x	x																	
3.Application of IT in construction context			x				x		x				x		x				
4.Communicate information and ideas clearly	x			x	x							x							
5.Utilise and communicate quantitative data effectively			x			x			x						x				
6.To work independently and collaboratively									x							x			
7. People and conflict management																		x	

Academic literacy skills are developed through UBUBLMLR-30-0. UBLMPC-30-1, UBLMGJ-15-2 and UBLLYV-30-3.

The concepts of sustainability and sustainable developments run throughout this programme but are explicitly addressed in UBGMR-30-0, UBLMSS-30-1, UBLMYB-30-2 and UBLMFQ-30-3.

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Part 4: Programme Structure

This structure diagram demonstrates the student journey from Entry through to Graduation for a typical **full time undergraduate student** including:

- level and credit requirements
- interim award requirements
- module diet, including compulsory and optional modules

ENTRY		Compulsory Modules	Optional Modules	Awards
	Year 1 (Level 0)	UBLMLR-30-0 Context of Design and Development UBLMMA-15-0 Building a Professional UBGMR-15-0 Challenges Data and Solutions UBGMPR-30-3 Environment and Sustainability UBLMPA-30-0 Foundation Year Project	None	Interim award 120 credits at Level 0 Successful completion of all level 0 modules required to permit progression to level 1
	Year 2 (Level 1)	Compulsory Modules UBLMPC-30-1 Law, Economics and Management UBLMSS-30-1 Building Science UBLMYS-30-1 Construction Technology and Services UBLLWV-30-1 Design Process	Optional Modules	Interim Awards CertHE Construction Project Management Credit requirements: 240 credits with 120 credits at level 0 and at least 100 at level 1 or above

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	Compulsory Modules	Optional Modules	Interim Awards
Year 3 (Level 2)	UBLMYB-30-2 Construction Technology and Building Services UBLLY8-15-2 Site Management UBLLYR-30-2 Project Management Tools and Techniques UBLMRT-30-2 Procurement and Contract Practice UBLMGJ-15-2 Professional Practice for Built Environment Professionals		DipHE Construction Project Management Credit requirements: 360 credits with 120 credits at level 0, at least 100 at level 2 or above and a further 120 at level 1 or above

Year Out: Full time students on the Sandwich Route take: UBLMG4-15-3 Workbased Research Project and are not required to study the module UBLMNE-15-3 Collaborative Practice module in their final year.

	Compulsory Modules	Optional Modules	Interim Awards
Year 4 (Level 3)	UBLMFQ-30-3 Technological Innovation and Life Cycles UBLLXF-30-3 Strategic and Operational Management UBLMNE-15-3 Collaborative Practice UBLMKT-15-3 HR and Financial Management UBLLYV-30-3 Dissertation A		BSc Construction Project Management Credit requirements 420 with 120 credits at level 0 at least 60 credits at level 3, a further 100 credits at level 2 or above and a further 140 at level 1 or above HIGHEST AWARD: BSc(Hons) Construction Project Management Credit requirements 480 with 120 credits at level 0 credits with at least 100 credits at level 3, a further 100 credits at level 2 or above and a further 140 credits at level 1 or above

GRADUATION

Part time:

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No Part-time programme structure for with Foundation Year (Level 0)

Part 5: Entry Requirements

The University's Standard Entry Requirements apply with the following additions:

Students must have achieved a grade C or above in Maths, Science and English GCSEs. An A2 or AS qualification in either Maths or a Physical Science is desirable although not essential.

Up-to-date entry requirements are published on the [courses web page](#).

Part 6: Reference Points and Benchmarks

Reference points and benchmarks that have been used in the design of the programme:

1. The programme draws on the QAA benchmark statements in Construction, Property and Surveying as shown in the Learning Outcomes above.
2. 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.
3. The programme is underpinned by staff consultancy, professional practice and research.
4. 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 regularly.

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First Approval Date	07 March 2018 (UCP approval)			
Revision Approval Date		Version	1	Link to Business Case
Next Periodic Curriculum Review due date				
Date of last Periodic Curriculum Review				