

## Overview

<b>Programme Code</b>	30277
<b>Programme Title</b>	Construction Management
<b>Awarding Institution</b>	Liverpool John Moores University
<b>Programme Type</b>	Degree
<b>Programme Leader</b>	Ali Rostami
<b>Link Tutor(s)</b>	

## Awards

Award Type	Award Description	Award Learning Outcomes
Alternative Exit	Bachelor of Science - BS	Demonstrate a broad and comparative knowledge of the general scope of the subject, its different areas and applications, and its interactions with related subjects. A detailed knowledge of a defined subject or a more limited coverage of a specialist area balanced by a wider range of study. In each case, specialised study will be informed by current developments in the subject. Demonstrate a critical understanding of the essential theories, principles and concepts of the subject(s) and of the ways in which these are developed through the main methods of enquiry in the subject.
Alternative Exit	Bachelor of Science (SW) - SBS	Demonstrate a broad and comparative knowledge of the general scope of the subject, its different areas and applications, and its interactions with related subjects. A detailed knowledge of a defined subject or a more limited coverage of a specialist area balanced by a wider range of study. In each case, specialised study will be informed by current developments in the subject. Demonstrate a critical understanding of the essential theories, principles and concepts of the subject(s) and of the ways in which these are developed through the main methods of enquiry in the subject.
Recruitable Target	Bachelor of Science with Honours (SW) - SBSH	See Learning Outcomes Below
Alternative Exit	Diploma in Higher Education (SW) - SDHE	Demonstrate knowledge and critical understanding of the well-established principles of Construction Management, and of the way in which those principles have developed an ability to apply underlying concepts and principles outside the context in which they were first studied, including where appropriate, the application of those principles in an employment context. Demonstrate knowledge of the main methods of enquiry in the subject(s) relevant to Construction Management and the ability to evaluate critically the appropriateness of different approaches to solving problems in construction Management. Demonstrate an understanding of the limits of their knowledge, and how this influences analyses and interpretations based on that knowledge.
Target Award	Bachelor of Science with Honours - BSH	See Learning Outcomes Below
Alternative Exit	Certificate of Higher Education - CHE	Demonstrate knowledge of the underlying concepts and principles associated with Construction Management, and an ability to evaluate and interpret these within the context of that area of study. Demonstrate knowledge of the underlying concepts and principles associated with Construction Management, and an ability to evaluate and interpret these within the context of that area of study. Demonstrate an ability to present, evaluate and interpret qualitative and quantitative data, in order to develop lines of argument and make sound judgements in accordance with basic theories and concepts on Construction Management.. Demonstrate an ability to present, evaluate and interpret qualitative and quantitative data, in order to develop lines of argument and make sound judgements in accordance with basic theories and concepts on Construction Management..

Alternative Exit	Diploma of Higher Education - DHE	Demonstrate knowledge and critical understanding of the well-established principles of Construction Management, and of the way in which those principles have developed an ability to apply underlying concepts and principles outside the context in which they were first studied, including where appropriate, the application of those principles in an employment context. Demonstrate knowledge of the main methods of enquiry in the subject(s) relevant to Construction Management and the ability to evaluate critically the appropriateness of different approaches to solving problems in construction Management. Demonstrate an understanding of the limits of their knowledge, and how this influences analyses and interpretations based on that knowledge.
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<b>Alternate Award Names</b>	
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## External Benchmarks

<b>Subject Benchmark Statement</b>	UG-Land, Construction, Real Estate and Surveying (2019)
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## Accreditation

### Programme Accredited by

PSRB Name	Type of Accreditation	Valid From Date	Valid To Date	Additional Notes
Chartered Institute of Building (CIOB)	Accredited by the Chartered Institute of Building (CIOB), having been judged to meet the CIOB Education Framework. Prospective members holding these qualifications have full academic exemption and may enter CIOB membership without the requirement for an Individual Assessment.			
Royal Institution of Chartered Surveyors (RICS)	Accredited by the Royal Institution of Chartered Surveyors (RICS) for the purpose of graduate membership.			

## Programme Offering(s)

Mode of Study, Mode of Delivery	Intake Month	Teaching Institution	Programme Length
Sandwich Year Out, Face to Face	September	LJMU Taught	4 Years
Full-Time, Face to Face	September	LJMU Taught	3 Years

## Aims and Outcomes

### Educational Aims of the Programme

To provide students with an international, national and local understanding and appreciation of the professional discipline of Construction Management and the role it has within the Architecture, Engineering and Construction sector. Construction Management graduates are primarily concerned with the management of the building production process to ensure that projects of all kinds are completed safely, on time and within budget. They need to have the core skills both in hard and soft areas such as using industry standard software/equipment and leadership, collaboration in teamwork and communication skills. To provide fundamental knowledge in meeting the Competency requirements for the RICS Project Management Pathway and the following themes as prescribed by the CIOB Education Framework: Construction Technology, Process Management, Sustainability, the Construction Environment, Health, Safety and Wellbeing, Ethics and Professionalism and the Dissertation/Research Project. To provide a well-balanced education which allows the student to achieve their full academic potential at first degree level and in doing so to facilitate the development of independent logical thought and judgement. To enable the student to develop their intellectual, critical, analytical and reflective thinking within an evidence and research based framework associated with the role of a construction professional. To produce a basis for general professional experience and to encourage a consciousness of the professional, business and commercial environment considering all regulatory aspects and working in an inclusive environment. To provide the framework within which students can achieve the level of attainment, appropriate to their abilities in the context of the programme of study that provides recognition of that level. To develop skills to ensure that the graduate will operate within a sound Health and Safety framework as provided by the regulatory framework of the industry. To develop awareness of all aspects of sustainability to ensure that graduates operate responsibly within their chosen discipline, and make positive choices in this context. To encourage students to develop self-awareness in personal development, inclusivity, employability skills and career planning. To facilitate the development of transferable and employability skills and an awareness of the need to plan, develop and record lifelong learning. For students undertaking a placement year, the aim is to provide students with an extended period of work experience at an approved partner that will complement their programme of study at LJMU. This will give the students the opportunity to develop professional skills relevant to their programme of study, as well as attitude and behaviours necessary for employment in a diverse and changing environment.

### Learning Outcomes

Code	Description
PLO1	Demonstrate knowledge and understanding of the context in which the process of construction operates, including the legal, business, social, economic, health and safety, cultural, equality and inclusion, technological, physical, environmental and global influences, including the relationship to digital technologies.
PLO2	Demonstrate knowledge and application of research design and methodology, leading to the undertaking of a significant independent research project.
PLO3	Demonstrate a knowledge and application of industry standard software and equipment utilised within the construction management role and digital construction.

<b>Code</b>	<b>Description</b>
PLO4	Demonstrate knowledge and application of construction management skills within a collaborative multidisciplinary project environment.
PLO5	Demonstrate an understanding of the principles and processes that deliver an inclusive environment recognising the diversity of user needs by putting people (of all ages and abilities) at the heart of the construction management process.
PLO6	Apply construction project management and planning skills within industrial contexts within the UK and global market.
PLO7	Analyse, synthesise and evaluate information from a range of sources to solve problems and support findings or hypotheses.
PLO8	Reason, negotiate and discriminate critically and articulate and engage in intellectual debate in teams and as an independent thinker.
PLO9	Reflect on situations, oneself and on their lifelong learning and development.
PLO10	Use appropriate techniques and equipment, including digital technologies for undertaking practical field survey work.
PLO11	Complete experimental laboratory work.
PLO12	Demonstrate knowledge and understanding of the implications the construction process can have on its surroundings considering aspects of health and safety, the environment and the public.
PLO13	Use appropriate techniques, digital tools and applications in construction management projects.
PLO14	Work collaboratively within construction project environments recognising equality, diversity and inclusion in all its forms.
PLO15	Use scientific evidence based and appropriate mathematical methods in the analysing and solution of construction management problems and present in a variety of ways.
PLO16	Use both general and industry standard digital tools with an awareness of the safe, ethical and legal use of digital media.
PLO17	Effectively communicate, through a variety of media.
PLO18	Manage time and resources.
PLO19	Appreciate and be aware of the needs of others and create good working relationships through teamwork and leadership
PLO20	Have an appreciation for the technology and science associated with the structure, materials and services associated with buildings.
PLO21	Demonstrate knowledge and understanding of procurement and contracts associated with the construction process.
PLO22	Have a comprehensive knowledge and understanding of the role of a construction manager considering all aspects of project management including planning, control, quality, sustainability, cost, risk and health, safety and welfare.
PLO23	Have a comprehensive knowledge and understanding of strategic construction project management considering stakeholders within the project lifecycle.

<b>Code</b>	<b>Description</b>
PLO24	Demonstrate knowledge and understanding of business management within the construction sector including Equality, Diversity, Inclusivity, Professionalism and Ethics.
PLO25	Demonstrate knowledge and understanding of the building lifecycle process including lifecycle costing and maintenance management.
PLO26	Demonstrate knowledge and understanding of professional competencies of a Construction Manager.

## Programme Structure

### Programme Structure Description

The programme will offer the opportunity of 60 credits of study abroad at Level 5. Students will be enrolled on a 360 credit honours with study abroad programme. A 60 credit Level 5 study abroad module (5300BESACM) will normally replace the semester 2 modules on the standard programme. This study abroad should cover the same learning outcomes as the modules being replaced. The modules to be studied in the host institution must be agreed in advance. The Level 5 mean for the final award will be calculated based upon the 120 credits at Level 5. Students have the option to undertake a placement year. The placement year, module 5200BESWCM, will follow Level 5 and students will be enrolled on a 480 credit Honours Sandwich programme. The Level 5 mean for the final award will be calculated based upon the 240 credits at Level 5. Students successfully completing the assessment of the placement year are eligible for the Sandwich award. Students not undertaking a placement year are registered on the non-sandwich version of the programme and will have the opportunity of an additional study year abroad following Level 5. Students will be enrolled on a 480 credit honours with study abroad programme. Of those 480 credits, 120 will be taken via a Level 5 study abroad module 5200BESACM. The modules to be studied in the host institutions must be agreed in advance. The Level 5 mean for the final award mark will be calculated based upon the 240 credits at Level 5. Those students who enrolled on the previous programme version prior to 22/23 will take the following modules on the FT programme. Those taking the sandwich award will take L5 modules in 22/23 and Level 6 in 24/25. Level 5 5200BEUG, 5203BEUG, 5204BEUG, 5210BEUG, 5219BEUG, 5220BEUG, 5226BEUG. Level 6 6200BEUG, 6201BEUG, 6203BEUG, 6219BEUG, 6220BEUG, 6227BEUG

<b>Programme Structure - 360 credit points</b>	
<b>Level 4 - 120 credit points</b>	
<b>Level 4 Core - 120 credit points</b>	<b>CORE</b>
[MODULE] 4300BEUG Construction Technology I Approved 2022.03 - 20 credit points	
[MODULE] 4302BEUG Principles of Economics and Management Approved 2022.02 - 20 credit points	
[MODULE] 4308BEUG Construction Management in Practice 1 Approved 2022.02 - 20 credit points	
[MODULE] 4312BEUG Introduction to Law Approved 2022.02 - 20 credit points	
[MODULE] 4315BEUG Professional Competencies of a Construction Manager Approved 2022.02 - 20 credit points	
[MODULE] 4319BEUG Science and Materials Approved 2022.02 - 20 credit points	
<b>Level 5 - 120 credit points</b>	
<b>Level 5 Core - 120 credit points</b>	<b>CORE</b>
[MODULE] 5300BEUG Construction Technology 2 Approved 2022.01 - 20 credit points	
[MODULE] 5309BEUG Construction Contracts Approved 2022.01 - 20 credit points	
[MODULE] 5310BEUG Construction Management in Practice 2 Approved 2022.01 - 20 credit points	
[MODULE] 5312BEUG Geomatics Approved 2022.02 - 20 credit points	
[MODULE] 5317BEUG Procurement and Tendering Approved 2022.01 - 20 credit points	
[MODULE] 5322BEUG Site Production Management Approved 2022.01 - 20 credit points	
<b>Optional placement - 120 credit points</b>	<b>OPTIONAL</b>
<b>Placement Year - 120 credit points</b>	<b>OPTIONAL</b>
[MODULE] 5200BESWCM Sandwich Year - Construction Management Approved 2022.01 - 120 credit points	
<b>OR Study Abroad - 120 credit points</b>	<b>OPTIONAL</b>
[MODULE] 5200BESACM Study Year Abroad - Construction Management Approved 2022.02 - 120 credit points	
<b>Optional Study Semester - 120 credit points</b>	<b>OPTIONAL</b>
[MODULE] 5300BESACM Study Semester Abroad - Construction Management Approved 2022.01 - 60 credit points	

Level 6 - 120 credit points	
Level 6 Core - 120 credit points	CORE
[MODULE] 6300BEUG Construction Research Project Approved 2022.01 - 40 credit points	
[MODULE] 6313BEUG Business Management Approved 2022.01 - 20 credit points	
[MODULE] 6315BEUG Construction Site Management Approved 2022.01 - 20 credit points	
[MODULE] 6317BEUG Project Lifecycle Management Approved 2022.01 - 20 credit points	
[MODULE] 6322BEUG Strategic Construction Project Management Approved 2022.01 - 20 credit points	

Module specifications may be accessed at <https://proformas.ljmu.ac.uk/Default.aspx>

## Teaching, Learning and Assessment

Lectures, tutorials, problem solving sessions, seminars, workshops, laboratory and computer sessions, field work, participation in a group project and individual investigational/research project. A blended learning approach will be taken on some modules with online asynchronous (recorded) lectures used. Unseen examinations, practical work, assignments, preparation of reports, design tasks, oral presentations, workshops, peer review, computer-based exercises, work placement reports (if applicable).

## Opportunities for work related learning

Work related learning is included within the programme, so students will have the opportunity to engage in real world projects and activities or go on a work-based learning placement. In doing so, students will be able to apply and further their knowledge and employability skills in a 'world of work' context. Having experience of the workplace and current issues is incredibly valuable in developing career aims and when applying for graduate jobs. Work-related learning may take different forms, the most common being: work placements, internships, simulations of workplace activity and employer-driven case studies. The programme offers a work placement year, providing a work-based learning opportunity for students studying the programme in sandwich mode. The programme has active links with industry and involves employers in the collaborative projects at each level of the programme. Real world case studies are used wherever possible.

## Entry Requirements

Type	Description
Alternative qualifications considered	Foundation Degree (cognate) Level 4: 240 credits pass Level 5: 240 credits pass Prior to starting the programme applicants must have obtained Grade C or Grade 4 or above in English Language and Mathematics GCSE or an approved alternative qualification.
International Baccalaureate	Level 4: 104 UCAS tariff point from IB.
Other international requirements	Overseas student applicants must have the equivalent qualifications as UK students. In addition they must have achieved an IELTS score of at least 6 with at least 5.5 in each component for non UK/EU students.
A levels	104 UCAS points: minimum two A2 levels
NVQ	HNC/HND (Non-cognate) Level 4 Entry: Pass HNC/HND (Cognate) Level 4 Entry: Pass HNC/HND (Cognate) Level 5 Entry: Pass



BTECs	Level 3: 104 points
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