

Overview

Programme Code	35942
Programme Title	Construction Management
Awarding Institution	Liverpool John Moores University
Programme Type	Apprenticeship
Language of Programme	All LJMU programmes are delivered and assessed in English
Programme Leader	Ali Rostami
Link Tutor(s)	

Awards

Award Type	Award Description	Award Learning Outcomes
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	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	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.

Alternate Award Names	
------------------------------	--

External Benchmarks

Subject Benchmark Statement	UG-Land, Construction, Real Estate and Surveying (2019)
------------------------------------	---

Apprenticeship Standard

Apprenticeship Standard	End Point Assessment	Proposed Off the Job Training delivery
Chartered surveyor (degree) - ST0331	Non-Integrated	

Accreditation

Programme Accredited by

PSRB Name	Type of Accreditation	Valid From Date	Valid To Date	Additional Notes
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
Part-Time, Face to Face	September	LJMU Taught	5 Years

Aims and Outcomes

Educational Aims of the Programme

This programme is for Degree Apprenticeship students. 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.

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.
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.

Code	Description
PLO19	Appreciate and be aware of the needs of others and create good working relationships through teamwork and leadership. Integrate lines of evidence from a range of sources to support findings or hypotheses.
PLO20	Take a leading role in commerce and industry in a range of situations.
PLO21	Have an appreciation for the technology and science associated with the structure, materials and services associated with buildings.
PLO22	Demonstrate knowledge and understanding of procurement and contracts associated with the construction process.
PLO23	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.
PLO24	Have a comprehensive knowledge and understanding of strategic construction project management considering stakeholders within the project lifecycle.
PLO25	Demonstrate knowledge and understanding of business management within the construction sector including Equality, Diversity, Inclusivity, Professionalism and Ethics.
PLO26	Demonstrate knowledge and understanding of the building lifecycle process including lifecycle costing and maintenance management.
PLO27	Demonstrate knowledge and understanding of professional competencies of a Construction Manager.

Programme Structure

Programme Structure Description

Year 1 - 4346BEUG, 4345BEUG, 4325BEUG-Year 2 - 4324BEUG, 4323BEUG, 4321BEUG-Year 3 - 5351BEUG, 5315BEUG, 5327BEUG, 5328BEUG-Year 4 - 5329BEUG, 6327BEUG, 5325BEUG, 6325BEUG, Year 5 - 6328BEUG, 6329BEUG, 6300BEUG-Those students that enrolled before 22/23 will take the following modules each year until they complete the award. Year 2 – 4203BEUG, 4201BEUG, 4220BEUG-Year 3 - 5200BEUG, 5220BEUG, 5219BEUG, 5226BEUG-Year 4 - 5210BEUG, 6220BEUG, 5203BEUG, 5229BEUG, 6203BEUG-Year 5 - 6200BEUG, 6230BEUG, 6219BEUG, 6227BEUG

Apprentices all need to complete mandatory training in Safeguarding, British Values and Prevent before they can undertake the End Point Assessment. Generic, mandatory online training programmes will be offered to apprentices and this may be supplemented by additional training that is specific to the programme.

Programme Structure - 360 credit points	
Level 4 - 120 credit points	
Level 4 Core - 120 credit points	CORE
[MODULE] 4321BEUG Work Based Project 1 Approved 2022.01 - 20 credit points	
[MODULE] 4323BEUG Introduction to Law Approved 2022.01 - 20 credit points	
[MODULE] 4324BEUG Principles of Economics and Management Approved 2022.01 - 20 credit points	
[MODULE] 4325BEUG Science and Materials Approved 2022.03 - 20 credit points	
[MODULE] 4345BEUG Professional Competencies of a Construction Manager Approved 2022.02 - 20 credit points	
[MODULE] 4346BEUG Construction Technology 1 Approved 2022.02 - 20 credit points	
Level 5 - 120 credit points	
Level 5 Core - 120 credit points	CORE
[MODULE] 5315BEUG Procurement and Tendering Approved 2022.01 - 20 credit points	
[MODULE] 5325BEUG Work Based Project 2 Approved 2022.01 - 20 credit points	
[MODULE] 5327BEUG Geomatics Approved 2022.02 - 20 credit points	
[MODULE] 5328BEUG Site Production Management Approved 2022.01 - 20 credit points	
[MODULE] 5329BEUG Construction Contracts Approved 2022.01 - 20 credit points	
[MODULE] 5351BEUG Construction Technology 2 Approved 2022.02 - 20 credit points	
Level 6 - 120 credit points	
Level 6 Core - 120 credit points	CORE
[MODULE] 6300BEUG Construction Research Project Approved 2022.02 - 40 credit points	
[MODULE] 6325BEUG Project Lifecycle Management Approved 2022.01 - 20 credit points	
[MODULE] 6327BEUG Construction Site Management Approved 2022.01 - 20 credit points	
[MODULE] 6328BEUG Business Management Approved 2022.01 - 20 credit points	
[MODULE] 6329BEUG Work Based Project 3 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 group projects and individual investigational/research project. A blended learning approach will be taken on some modules with online asynchronous (recorded) lectures used. Unseen examinations, 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 work projects and activities. In doing so, students will be able to apply 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 future employment. Work-related learning may take different forms, the most common being: work placements, internships, simulations of workplace activity and employer-driven case studies. As part time students, the application of their work experience is expected to be applied in differing work contexts through simulations and scenario based assessments. 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
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.
Alternative qualifications considered	Foundation Degree (cognate) Level 4: 240 credits, mean less than 50% Level 5: 240 credits, mean 50% or more 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. Applicants and their Employers may be interviewed as part of the entry requirements to ensure they are both able to meet the requirements/obligations of the Chartered Surveyor (Degree) Apprenticeship Standard.
NVQ	HNC/HND (Non-cognate) Level 4 Entry: Pass HNC/HND (Cognate) Level 4 Entry: Pass HNC/HND (Cognate) Level 5 Entry: Pass
International Baccalaureate	Level 4: 104 UCAS points
A levels	104 UCAS points: minimum two A2 levels
BTECs	Level 4: 104 points

Extra Entry Requirements