

Overview

Programme Code	30847
Programme Title	Quantity Surveying
Awarding Institution	Liverpool John Moores University
Programme Type	Degree
Language of Programme	All LJMU programmes are delivered and assessed in English
Programme Leader	Onur Dursun
Link Tutor(s)	

Awards

Award Type	Award Description	Award Learning Outcomes
Target Award	Bachelor of Science with Honours - BSH	See Learning Outcomes Below
Recruitable Target	Bachelor of Science with Honours (SW) - SBSH	See Learning Outcomes Below
Alternative Exit	Certificate of Higher Education - CHE	Demonstrate knowledge of the underlying concepts and principles associated with Quantity Surveying, 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 of Quantity Surveying Effectively use general and specific IT tools and software in quantity surveying tasks and projects
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 in Higher Education (SW) - SDHE	Demonstrate knowledge and critical understanding of the well-established principles of Quantity Surveying, 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 Quantity Surveying and the ability to evaluate critically the appropriateness of different approaches to solving problems in the subject area. Demonstrate an understanding of the limits of their knowledge, and how this influences analyses and interpretations based on that knowledge.
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.

Alternative Exit	Diploma of Higher Education - DHE	<p>Demonstrate knowledge and critical understanding of the well-established principles of Quantity Surveying, 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 the named award, and ability to evaluate critically the appropriateness of different approaches to solving problems in Quantity Surveying Demonstrate an understanding of the limits of their knowledge, and how this influences analyses and interpretations based on that knowledge A student who successfully completes a placement year will be eligible for the Sandwich award and will, in addition to the above, be able to demonstrate the professional and personal skills necessary for effective employment within a professional environment.</p>
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Alternate Award Names	
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External Benchmarks

Subject Benchmark Statement	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.		
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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 Quantity Surveying and the role it has within the Architecture, Engineering and Construction sector. Quantity surveying graduates are primarily concerned with providing advice on cost planning through the lifecycle of a building adopting a value engineering approaches to calculate the cost efficiency and value of the construction and design of a project. They need to have the core skills both in hard and soft areas such as using industry standard software/ informational modelling and leadership, collaboration in teamwork and communication skills. To provide fundamental knowledge in meeting the competency requirements of the RICS Quantity Surveying and Construction pathway in relation to commercial management, design economics and cost planning, construction technology and environmental services, procurement and tendering, project finance, quantification and costing, contract administration, insurance, programming and planning and risk management. To provide the fundamental knowledge in relation to 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 students 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 students 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. To provide a well-balanced education which allows the students to achieve their full academic potential at first degree level and in doing so to facilitate the development of independent logical thought and judgement. 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 mainstream technology and the resources it uses for constructing domestic, industrial, and commercial buildings and infrastructure.
PLO2	Demonstrate knowledge and understanding of academic and digital literacy in order to apply academic rigour to all aspects of your study
PLO3	Demonstrate knowledge and application of research design and methodology, leading to the undertaking of a significant independent research project
PLO4	Analyse, synthesise, and evaluate information from a range of sources to solve problems and support findings or hypotheses.
PLO5	Reason, negotiate and discriminate critically and articulate and engage in intellectual debate.
PLO6	Reflect on situations, oneself and on their lifelong learning and development.
PLO7	Demonstrate and exercise independent thinking and produce solutions to problems through the application of subject-specific knowledge and understanding
PLO8	Identify and solve problems individually and/or collaboratively
PLO9	Use appropriate techniques, digital tools, and applications to generate, manage, and collaborate on project information.
PLO10	Work collaboratively within construction project environments recognising equality, diversity, and inclusion in all its forms.
PLO11	Manipulate and sort data and present in a variety of ways.
PLO12	Demonstrate knowledge and understanding of the impact development has on the environment and health and wellbeing and the initiatives available to minimise the impact.
PLO13	Use both general and industry standard digital tools with an awareness of the safe, ethical, and legal use of digital media.
PLO14	Use creativity and innovation in problem solving.
PLO15	Work with limited or contradictory information.
PLO16	Effectively communicate, through a variety of media.
PLO17	Manage time and resources.
PLO18	Appreciate and be aware of the needs of others and create good working relationships through teamwork and leadership
PLO19	Demonstrate the ability to measure and quantify to support the design process, produce project information and to apply appropriate commercial management techniques to projects.
PLO20	Demonstrate comprehensive knowledge and understanding of time, cost, quality, and value drivers affecting the life cycle of a project.

Code	Description
PLO21	Demonstrate knowledge and understanding of the legal and regulatory frameworks and systems impacting on the design and construction of buildings, and the principles of procurement and contract administration
PLO22	Demonstrate knowledge and understanding of digital technologies that support the construction process and the management of costs and value
PLO23	Demonstrate knowledge and understanding recognise the roles of other professionals and parties associated with construction, property and surveying throughout a building's life cycle and be aware of the benefits of collaborative practice including equality, diversity, inclusivity, professionalism, and ethics.
PLO24	Demonstrate knowledge and understanding recognise the importance of professional ethics, their impact on the operation of the profession and their influence on society, conflict avoidance/dispute resolution, communities, and the stakeholders with whom they have contact
PLO25	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 commercial management and quantity surveying process.

Programme Structure

Programme Structure Description

All modules are core (compulsory). Credit must be attained from all the core modules detailed below to achieve the BSc(Hons) Quantity Surveying, which is the award accredited by the RICS. Students who do not attain credit from all the modules may be eligible for alternative exit awards. These alternative exit awards, which do not recruit directly, are not accredited by the RICS. 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 5300BESAQS 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 5200BESWQS, will follow Level 5 and students will be enrolled on a 480 credit Honours Sandwich programme. The Level 5 mean for the final award mark 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 480 credit honours with a study abroad programme. Of those 480 credits, 120 will be taken via a Level 5 study abroad module 5200BESAQS. The modules to be studied in the host institution must be agreed upon in advance. The Level 5 mean for the final award mark will be calculated based on the 240 credits at Level 5. Those students who enrolled on the previous programme version prior to 22/23 will take the following modules: 5200BEUG-- Construction Technology II 5209BEUG-- Construction Contract Law 5210BEUG-- Construction Procurement 5211BEUG-- Construction Project Management 5212BEUG-- Advanced Measurement and Contract Administration 5203BEUG-- Research Methods 5204BEUG-- Collaborative Interdisciplinary Project II 6200BEUG-- Research Project 6201BEUG-- Collaborative Interdisciplinary Project II 6208BEUG-- Advanced Contract and Procurement Strategies 6210BEUG-- Project Finance and Management 6211BEUG-- Business Management and Entrepreneurship 6209BEUG-- Engineering Measurement The new intakes to Level 4 will follow the modules below:

Programme Structure - 360 credit points	
Level 4 - 120 credit points	
Level 4 Core - 120 credit points	CORE
[MODULE] 4301BEUG Quantity Surveyor in a Project Environment Approved 2022.02 - 20 credit points	
[MODULE] 4302BEUG Principles of Economics and Management Approved 2022.02 - 20 credit points	
[MODULE] 4303BEUG Digital Built Environment Approved 2022.01 - 20 credit points	
[MODULE] 4304BEUG Measurement I Approved 2022.01 - 20 credit points	
[MODULE] 4312BEUG Introduction to Law Approved 2022.02 - 20 credit points	
[MODULE] 4343BEUG Construction Technology 1 Approved 2022.01 - 20 credit points	
Level 5 - 120 credit points	
Level 5 Core - 120 credit points	CORE
[MODULE] 5301BEUG Construction Contract Practice Approved 2022.01 - 20 credit points	
[MODULE] 5302BEUG Construction Procurement Approved 2022.01 - 20 credit points	
[MODULE] 5303BEUG Measurement II Approved 2022.01 - 20 credit points	
[MODULE] 5304BEUG Project Planning and Control Approved 2022.01 - 20 credit points	
[MODULE] 5305BEUG Design Economics and Project Lifecycle Value Approved 2022.01 - 20 credit points	
[MODULE] 5350BEUG Construction Technology 2 Approved 2022.01 - 20 credit points	
Optional placement - 120 credit points	OPTIONAL
Placement Year - 120 credit points	OPTIONAL
[MODULE] 5200BESWQS Sandwich Year - Quantity Surveying Approved 2022.01 - 120 credit points	
OR Study Abroad - 120 credit points	OPTIONAL

[MODULE] 5200BESAQS Study Year Abroad - Quantity Surveying Approved 2022.01 - 120 credit points	
Optional Study Semester - 60 credit points	OPTIONAL
[MODULE] 5300BESAQS Study Semester Abroad - Quantity Surveying 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] 6301BEUG Risk Management Approved 2022.01 - 20 credit points	
[MODULE] 6302BEUG Business Management and Entrepreneurship Approved 2022.01 - 20 credit points	
[MODULE] 6303BEUG Project Finance Approved 2022.01 - 20 credit points	
[MODULE] 6304BEUG Measurement III Approved 2022.01 - 20 credit points	

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

Teaching, Learning and Assessment

Teaching sessions include lectures and tutorials; workshop sessions in a classroom or PC-lab; practical property surveying sessions on site using the exemplar houses, or off-site on an organized site visit; participation in a group project; and field work on the optional residential field trip. Assessment methods include examinations; written essays and reports; oral presentations; preparation of posters; visual designs using adequate software; work placement reports (if applicable).

Opportunities for work related learning

Work-related learning is included within this 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 develop 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. This 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 industrial 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, mean less than 60% at Level 2 Level 5 240 credits, mean 60% or more at Level 2 Prior to starting the programme applicants must have obtained grade 4 or grade C or above in English Language and Mathematics GCSE or an approved alternative qualification below: Key Skills Level 2 in English/ Maths NVQ Level 2 Functional skills in Maths and English Writing and or Reading Skills for Life Level 2 in Numeracy/English Higher Diploma in Maths/ English Functional skills level 2 in Maths/ English Northern Ireland Essential Skills Level 2 in Communication or Application of Number Wales Essential Skills Level 2 in Communication or Application of Number Welsh GCSE Maths Numeracy

BTECs	Level 4: 112 UCAS points
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	112 points: minimum two A2 levels
NVQ	HNC/HND (Non-cognate) Level 4 Entry: Pass HNC/HND (Cognate) Level 4 Entry: Pass Level 5 Entry: Pass
International Baccalaureate	Level 4: 112 UCAS points

Extra Entry Requirements