

## Quantity Surveying

### Programme Information

2022.01, Approved

#### Overview

Programme Code	35941
Programme Title	Quantity Surveying
Awarding Institution	Liverpool John Moores University
Programme Type	Apprenticeship

#### Awards

Award Type	Award Description	Award Learning Outcomes
Target Award	Bachelor of Science with Honours - BSH	N/A
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 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. 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.
Alternative Exit	Diploma of Higher Education - DHE	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.

Alternate Award Names	
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## External Benchmarks

Subject Benchmark Statement	UG-Land, Construction, Real Estate and Surveying (2019)
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## 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
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.			<p>BQSM - <a href="https://www.bqsm.gov.my/reference-documents/category/65-recognised-qualifications.html">https://www.bqsm.gov.my/reference-documents/category/65-recognised-qualifications.html</a> Accredited by the Board of Quantity Surveyors Malaysia (BQSM) for the purpose of eligibility for registration with that body.</p> <p>BQSM - <a href="https://www.bqsm.gov.my/reference-documents/category/65-recognised-qualifications.html">https://www.bqsm.gov.my/reference-documents/category/65-recognised-qualifications.html</a> Accredited by the Board of Quantity Surveyors Malaysia (BQSM) for the purpose of eligibility for registration with that body.</p>

## Aims and Outcomes

Educational Aims of the Programme	<p>This programme is for Degree Apprentice students only. 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/apprentices 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. 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 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/apprentice 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/apprentices 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/apprentice 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/apprentices 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 student/apprentice to achieve their full academic potential at first degree level and in doing so to facilitate the development of independent logical thought and judgement.</p>
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## Learning Outcomes

Code	Number	Description
PLO1	1	Demonstrate knowledge and understanding of the mainstream technology and the resources it uses for constructing domestic, industrial, and commercial buildings and infrastructure.
PLO2	2	Demonstrate knowledge and understanding of academic and digital literacy in order to apply academic rigour to all aspects of your study
PLO3	3	Demonstrate knowledge and application of research design and methodology, leading to the undertaking of a significant independent research project
PLO4	4	Analyse, synthesise, and evaluate information from a range of sources to solve problems and support findings or hypotheses.
PLO5	5	Reason, negotiate and discriminate critically and articulate and engage in intellectual debate.
PLO6	6	Reflect on situations, oneself and on their lifelong learning and development.
PLO7	7	Demonstrate and exercise independent thinking and produce solutions to problems through the application of subject-specific knowledge and understanding
PLO8	8	Identify and solve problems individually and/or collaboratively
PLO9	9	Use appropriate techniques, digital tools, and applications to generate, manage, and collaborate on project information.
PLO10	10	Work collaboratively within construction project environments recognising equality, diversity, and inclusion in all its forms.

PLO11	11	Manipulate and sort data and present in a variety of ways.
PLO12	12	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	13	Use both general and industry standard digital tools with an awareness of the safe, ethical, and legal use of digital media.
PLO14	14	Use creativity and innovation in problem solving.
PLO15	15	Work with limited or contradictory information.
PLO16	16	Effectively communicate, through a variety of media.
PLO17	17	Manage time and resources.
PLO18	18	Appreciate and be aware of the needs of others and create good working relationships through teamwork and leadership.
PLO19	19	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	20	Demonstrate comprehensive knowledge and understanding of time, cost, quality, and value drivers affecting the life cycle of a project.
PLO21	21	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	22	Demonstrate knowledge and understanding of digital technologies that support the construction process and the management of costs and value
PLO23	23	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	24	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	25	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.

## Course Structure

Programme Structure Description	<p>Part time students will study the programme over a 5-year period. The programme is designed as follows: Year 1 (60 credits) - 4321BEUG; 4322BEUG; 4336BEUG; Year 2 (60 credits) - 4324BEUG; 4323BEUG; 4337BEUG; Year 3 (80 credits) - 5326BEUG; 5346BEUG; 5325BEUG; 5347BEUG-Year 4 (80 credits) - 5345BEUG; 6342BEUG; 5344BEUG; 6343BEUG-Year 5 (80 credits) - 6300BEUG; 6341BEUG; 6329BEUG-Starting from academic year 2022-2023, the revalidated programme will be delivered. The method for changing between the old curriculum and the revised curriculum will adopt a so called 'phased out' approach. In the phased out approach, students who registered first time to the programme before 2022-2023 academic year will continue in the old curriculum modules: Year 2 (50 credits): 4203BEUG-- Construction and Property Economics 4212BEUG-- Measurement and Costing 4201BEUG-- Collaborative Interdisciplinary Project I Year 3 (80 credits) : 5200BEUG-- Construction Technology II 5210BEUG-- Construction Procurement 5211BEUG-- Construction Project Management 5212BEUG-- Advanced Measurement and Contract Administration Year 4 (80 credits): 5209BEUG-- Construction Contract Law 6208BEUG-- Advanced Contract and Procurement Strategies 5203BEUG-- Research Methods 5229BEUG-- Work Based Project 1 6209BEUG-- Engineering Measurement Year 5 (80 credits): 6210BEUG-- Project Finance and Management 6211BEUG-- Business Management and Entrepreneurship 6200BEUG-- Research Project 6230BEUG-- Work Based Project II</p>
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<b>Programme Structure - 360 credit points</b>	
<b>Level 4 - 120 credit points</b>	
<b>Level 4 Core - 120 credit points</b>	CORE
[MODULE] 4321BEUG Work Based Project 1 Approved 2022.01 - 20 credit points	
[MODULE] 4322BEUG Construction Technology 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] 4336BEUG Digital Built Environment Approved 2022.01 - 20 credit points	
[MODULE] 4337BEUG Measurement I Approved 2022.01 - 20 credit points	
<b>Level 5 - 120 credit points</b>	
<b>Level 5 Core - 120 credit points</b>	CORE
[MODULE] 5325BEUG Work Based Project 2 Approved 2022.01 - 20 credit points	
[MODULE] 5326BEUG Construction Technology 2 Approved 2022.01 - 20 credit points	
[MODULE] 5334BEUG Electrical Engineering for Buildings Approved 2022.01 - 20 credit points	
[MODULE] 5345BEUG Construction Procurement Approved 2022.01 - 20 credit points	
[MODULE] 5346BEUG Construction Contract Practice Approved 2022.01 - 20 credit points	
[MODULE] 5347BEUG Measurement II Approved 2022.01 - 20 credit points	
<b>Level 6 - 120 credit points</b>	
<b>Level 6 Core - 120 credit points</b>	CORE
[MODULE] 6300BEUG Construction Research Project Approved 2022.01 - 40 credit points	
[MODULE] 6329BEUG Work Based Project 3 Approved 2022.01 - 20 credit points	

[MODULE] 6341BEUG Business Management and Entrepreneurship Approved 2022.01 - 20 credit points
[MODULE] 6342BEUG Project Finance Approved 2022.01 - 20 credit points
[MODULE] 6343BEUG Measurement III Approved 2022.01 - 20 credit points

## Teaching, Learning and Assessment

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. Assessment methods include examinations; written essays and reports; oral presentations; preparation of posters; visual designs using adequate software; work placement reports (if applicable) reports, oral presentations, workshops, computer-based exercises.
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## Opportunities for work related learning

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. 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. Work-related learning may take different forms, the most common being: simulations of workplace activity; and employer-driven case studies. As part time students/apprentices, 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 industrial projects at each level of the programme. Real world case studies are used wherever possible.

## Entry Requirements

Type	Description
A levels	112 points: minimum two A2 levels English and Mathematics Level 2 qualifications
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
Alternative qualifications considered	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 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 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 Level 5 Entry: Pass
International Baccalaureate	Level 4: 112 UCAS points

## Programme Contacts



**Programme Leader**

Contact Name

Thomas Dowd

**Link Tutor**

Contact Name