UNIVERSITY COLLEGE
OF ESTATE MANAGEMENT

BSc (Hons) Quantity Surveying

Programme Specification 2024-2025

Version: 33.00
Status: Final
Date: 18/04/2024

Summary Programme Details

Final Award

Award: BSc (Hons)

Title of (final) Programme: Quantity Surveying

Credit points: 360

Level of award (QAA FHEQ): 6

Intermediate award(s)*

Intermediate award 1: BSc Quantity Surveying (Pass Degree)

Credit points: 300

Level of award (QAA FHEQ): 6

Intermediate award 2: Diploma of Higher Education Quantity Surveying

Credit points: 240

Level of award (QAA FHEQ): 5

Intermediate award 3: Certificate of Higher Education Built Environment Studies

Credit points: 120

Level of award (QAA FHEQ): 4

*Intermediate awards will be granted to students that exit the programme part way through if they have achieved sufficient credits in line with the Academic and Programme Regulations (opens new window).

Apprenticeship Standard and Assessment Plan (relevant to apprentices only)

Name of apprenticeship standard: Chartered Surveyor (Degree)

Reference number: ST0331

End Point Assessment: non-integrated

End Point Assessment Organisation: Royal Institution of Chartered Surveyors (RICS)

Link to apprenticeship standard: Chartered Surveyor

Link to assessment plan: End-point assessment plan for Chartered Surveyor

Name of apprenticeship standard: Construction Quantity Surveyor (Degree)

Reference number: ST0045

End Point Assessment: non-integrated

End Point Assessment Organisation: Chartered Institute of Building (CIOB)

Link to apprenticeship standard: Construction Quantity Surveyor

Link to assessment plan: Construction Quantity Surveyor Assessment Plan

Validation

Validating institution: University College of Estate Management (UCEM)

Date of last validation: February 2024

Date of next periodic review: February 2029

Date of commencement of first delivery: September 2013

Duration: Part-time study route: 4.5 years for non-apprenticeship students; or either 4 years or 4.5 years plus external end point assessment, if taken as part of the Chartered Surveyor (Degree) apprenticeship programme; or 3 years plus external end point assessment if taken as part of the Construction Quantity Surveyor (Degree) apprenticeship programme.

Full-time study route: 3 years for non-apprenticeship students.

Maximum period of registration: In accordance with the Academic and Programme Regulations (opens new window).

UCAS Code/ HECoS Code: K240/ 100217

Programming Code: RBSC

Other coding as required: QS(S)(F)(U)

Professional accreditation / recognition

Accrediting/recognising body: **Royal Institution of Chartered Surveyors (RICS)**

Details of the accreditation/recognition: BSc (Hons) accredited

Date of last programme accreditation/recognition: January 2023

Date of next periodic review: 2027

Accrediting/recognising body: **Chartered Institute of Building (CIOB)**

Details of the accreditation/recognition: BSc (Hons) accredited

Date of last programme accreditation/recognition: December 2020

Date of next periodic review: 2025

Accrediting/recognising body: **Chartered Association of Building Engineers (CABE)**

Details of the accreditation/recognition: BSc (Hons) accredited

Date of last programme accreditation/recognition: June 2020

Date of next periodic review: 2025

Accrediting/recognising body: **Hong Kong Institute of Construction Managers (HKICM)**

Details of the accreditation/recognition: BSc (Hons) accredited. Graduates with this award are academically acceptable for Member class of membership of HKICM. Please note that applicants for Member class must have reached the age of 25 and have had 4 years working experience in the construction field gained within the HKSAR.

Date of last programme accreditation/recognition: April 2021

Date of next periodic review: April 2026

Accrediting/recognising body: **Chartered Institution of Civil Engineering Surveyors (CICES)**

Details of the accreditation/recognition: BSc (Hons) accredited

Date of last programme accreditation/recognition: December 2023

Date of next periodic review: January 2029

QAA Guidance

UK Quality Code for Higher Education (opens new window)

The Frameworks for Higher Education Qualifications of UK Degree-Awarding Bodies (opens new window)

Quality Assurance Agency (QAA) Subject Benchmark Statement: Land, Construction, Real Estate and Surveying April 2024 (opens new window)

Programme Overview

Rationale

This programme is an internationally recognised programme in a flexible learning format which facilitates students who wish to study at their own pace with a high-quality learning experience. The programme widens access for students to study from worldwide destinations and fulfils the needs of those who may wish to remain in employment while studying or who perhaps are not in a position, or do not wish to, attend a full-time or part-time degree course. The programme provides for students to study at their own pace, allowing variable module/credit loads to be completed in each semester.

The programme is for people who wish to gain an accredited academic qualification within the role of Quantity Surveying which meets the requirements to becoming a Chartered Professional with the Royal Institution of Chartered Surveyors (RICS), Chartered Institute of Building (CIOB), Chartered Association of Building Engineers (CABE) or other related professional body and which provides a platform for studying a postgraduate level qualification.

Entry Requirements

Students are required to be 18 years or over at the start of their programme.

Entrants to this programme normally are required to have:

- obtained 96 UCAS tariff points or an equivalent level of attainment through recognised qualifications not included in the UCAS tariff; *

  Or

- completed an Advanced Apprenticeship in Surveying** or an Advanced Apprenticeship in Construction Technical** through which a Construction and Built Environment Diploma with a minimum DD profile was obtained or through which a Construction and Built Environment Extended Diploma with a minimum MMM profile was obtained, or an equivalent qualification;

  Or

- a current Royal Institution of Chartered Surveyors (RICS) Associate qualification (AssocRICS) and be in relevant employment; ***

  Or

- successfully completed the UCEM BSc Access module programme;

And

- GCSE Grade 4 (or C) or above in English and Mathematics or an equivalent Level 2 qualification in English and Mathematics as defined by the Regulated Qualifications Framework (RQF) in England. ****

* Recognised qualifications having an equivalent level of attainment as those recognised by UCAS include: Higher National Certificate (HNC), Higher National Diploma (HND), professional qualifications from recognised institutions, certain armed forces qualifications and partially completed degrees. There are also a wide range of international qualifications that are deemed to have UCAS point equivalent values. For more information on equivalent qualifications please contact: admissions@ucem.ac.uk.

** Completion of this apprenticeship will need to be evidenced through a verified copy of the apprenticeship completion certificate as issued by the apprenticeship certification body.

*** Relevant employment is employment in a job role that will support the applicant in developing the required skills, knowledge, and behaviours.

**** Applicants for the apprenticeship programme that do not have accepted equivalent Level 2 maths and English qualifications (opens new window) will be required to achieve Level 2 maths and English Functional Skills qualifications as part of the apprenticeship and will need to obtain Level 2 in initial and diagnostic assessments prior to being made an offer. If applicants do not qualify for ESFA funding, these qualifications will need to be fully funded by the employer.

The academic level of international qualifications that are not listed on the UCAS tariff will be assessed using UK ENIC.

If an applicant does not meet the standard entry requirements UCEM will consider the application on an individual basis. In these cases, the application will be assessed by the Programme Leader or for students in Hong Kong by the Dean of School (International), who will give careful consideration to any professional and life experiences as well as any academic or vocational qualifications the applicant may hold. The applicant may be asked to provide a detailed personal statement and/or a reference or letter of support from an employer or mentor to support the application. Applications are assessed in accordance with the UCEM Code of Practice: Admissions and Recognition of Prior Learning (opens new window).

Apprenticeship programme

Applicants to the apprenticeship programme must also have the right to work in England, meet Education and Skills Funding Agency residency status requirements, spend at least 50% of their working hours in England and be directly employed in a job role that will enable the requirements of the apprenticeship to be achieved.

Entrants to the Construction Quantity Surveyor (Degree) Apprenticeship programme normally are required to have:

- Completed the Level 4 Quantity Surveying Technician Standard or equivalent;

  Or

- HNC in Construction or other qualification that is accepted by UCEM as providing a 120-credit exemption against the UCEM Level 6 Quantity Surveyor Standard

Applicants to the apprenticeship programme must meet all of the funding eligibility requirements contained in the ESFA funding rules.

English language requirements

All UCEM programmes are taught and assessed in English. In addition to the programme entry requirements listed above, all applicants will therefore be required to demonstrate adequate proficiency in the language before being admitted to a programme. Therefore, applicants must possess one of the following:

- GCSE Grade 4 (or C) or above in English Language or English Literature, or an equivalent qualification. For further information on equivalent qualifications please contact: admissions@ucem.ac.uk.
- Grade 5.5 or above, with at least 5.5 in the reading and writing modules in the International English Language Testing System (IELTS) academic test administered by the British Council.
- 79 or above in the internet option, 213 or above in the computer-based option or 550 or above in the paper-based option, of the Teaching of English as a Foreign Language (TOEFL) test.

- Grade 4 (or C) or above in English (Language or Literature) at A/S Level.
- Holders of a cognate sub-degree (Level 5) qualification taught and assessed in English from the University of Hong Kong or City University of Hong Kong.
- HKDSE (Hong Kong Diploma of Secondary Education) Grade 3, or HKALE (Hong Kong Advanced Level Examination – Advanced Level & Advanced Supplementary Level) Grade E, or HKCEE (Hong Kong Certificate of Education Examination) Grade 3-5 or Grade A-D (Syllabus B only).

Applicants with a bachelor's degree that has been taught and examined in the English medium can be considered for entry in the absence of the qualifications detailed above if applying for a non-apprenticeship programme.

Recognition of prior learning (RPL) or recognition of prior experiential learning (RPEL) routes into the programme

UCEM policy and procedures for Recognition of Prior Experiential Learning (RPEL) and Recognition of Prior Learning (RPL) are set out in the UCEM Code of Practice: Admissions and Recognition of Prior Learning (opens new window). This policy statement takes precedence in any such decision.

RPEL may be used to support an application entry to the programme in accordance with the entry requirements stated in the section above. UCEM also recognises credit awarded by higher education degree awarding bodies in accordance with the relevant higher education qualifications framework and allows that credit to count towards module exemption from the programme.

Normally the maximum credit for prior learning that can be counted towards the programme is 66% (two thirds). RPEL and RPL do not enable the transfer of credit/exemption from classification modules.

Programme Progression

For details of progression arrangements, please view the Academic and Programme Regulations (opens new window).

Successful completion of the BSc (Hons) may enable the student to progress onto UCEM's Master of Business Administration and other suitable postgraduate programmes.

Award Regulations

For details of award arrangements, please view the Academic and Programme Regulations (opens new window).

Career Prospects

Diverse career opportunities are available for students to pursue after completing this programme. Students typically find employment in the private sector for instance consultancy firms, contracting companies involved in both building; mechanical and electrical and civil engineering projects and developers. Opportunities can also be found in the public sector such as local and central government or other public-sector organisations. Practising as self-employed consultants is also an option. In addition, students are not confined to working in their local construction industries as international career mobility could also be attained.

The following list provides a range of the types of careers that students pursue after completing this programme:

- Cost management;
- Cost consultancy, project management, contractor surveying, building services quantity surveying and facilities management;
- Preparing feasibility estimates and contract documents and providing advice on design economics, tendering and procurement strategies;
- Cost planning and whole life costing;
- Cost and financial control from design to completion and occupation.

Programme Aims

Programme aims

The programme provides students with a rigorous understanding of the principles and practices involved in a quantity surveying role up to first degree level standard. The programme reflects the academic underpinning necessary to prepare students for a career as a professional or contractor's surveyor recognised by RICS, CIOB, CABE or other related international professional bodies. It provides students with a progressive development of knowledge and skills over three levels of study.

The programme is designed to ensure that graduates have a stimulating and challenging education, which prepares them well for their career and to produce capable individuals with the potential to progress to professional status and prepare for advancement to Master's level qualification. Students will develop a broad range of skills which are transferable across other industries.

Market and internationalisation

This programme is aimed at UK and international students. While UK law, regulatory controls and practice are at the core of the study materials, the programme aims to contextualise within an international framework. Where possible, comparative examples are used to highlight the difference in regional approaches, and thus foster further understanding of the principles and applications introduced. The apprenticeship route is available to UK students only.

Programme Structure

The modules you will study will depend on whether you are a non-apprentice, or you are an apprentice following the Chartered Surveyor Quantity Surveying and Construction pathway or the Construction Quantity Surveyor (CQS) pathway. All students will study common modules at level 4. Please see the delivery structure section which outlines the modules for level 5 and 6 specific to each route.

Module List

Code	Module	Level	Credits	Core/ Elective
INT4BE1	Introduction to the Built Environment 1	4	20	Core

Code	Module	Level	Credits	Core/ Elective
INT4SUS	Introduction to Sustainability	4	20	Core
CON4TE1	Construction Technology 1	4	20	Core
PRO4BPR	Professional and Business Practice	4	20	Core
LAW4RBE	Introduction to Regulatory and Built Environment Law	4	20	Core
INT4BE2	Introduction to the Built Environment 2	4	20	Core
QSP5DEC	Design Economics and Cost Planning	5	20	Core
CON5TE2	Construction Technology 2	5	20	Core
QSP5CPR	Contract Administration and Practice	5	20	Core
QSP5MQC	Measurement and Quantification of Construction Work	5	20	Core for non CQS pathway apprentices
QSP5PRO	Procurement and Tendering	5	20	Core
QSP5PPL	Programming and Planning	5	20	Core
QSP5MAC	Measurement and Costing	5	20	Core for CQS pathway apprentices
MAN6CMC	Commercial Management in Construction	6	20	Core
QSP6QSP	Contemporary QS Practice	6	20	Core
QSP6ADM	Advanced Measurement	6	20	Core for non CQS pathway apprentices
QSP6PCC	Post Contract Cost Control (PQS)	6	20	Core for non CQS pathway apprentices
QSP6CQS	Post Contract Cost Control (CQS)	6	20	Core for CQS pathway apprentices
PMA6CPM	Construction Project Management	6	20	Core for CQS pathway apprentices
REA6PRO	Research Proposal	6	20	Core for non-apprentices

Code	Module	Level	Credits	Core/ Elective
CON6CSA	Contemporary Issues Case Study	6	20	Core for non-apprentices
PRJ6WRA/ PRJ6WRS	Workbased Research Project	6	40	Core for apprentices only

Notes

Credits are part of the Credit Accumulation and Transfer System (CATS). Two UK credits are equivalent to one European Credit Transfer System (ECTS) credit.
Students entering with exemptions may see a change to their study route.

Learning Outcomes

Having successfully completed the programme, the student will have met the following learning outcomes.

Level 4

A – Knowledge and understanding

Learning Outcomes		Relevant modules
A4.1.	Recognise the basic principles that underpin the theory and practice of the property and construction industries.	CON4TE1 INT4BE1 INT4BE2 LAW4RBE
A4.2.	Outline the ethical, management, legal and regulatory frameworks and systems impacting on the property and construction industries.	INT4SUS LAW4RBE PRO4BPR
A4.3.	Relate environment and sustainability issues to the property and construction industries.	CON4TE1 INT4SUS
A4.4.	Explain the basic principles of property construction and associated technologies.	CON4TE1 INT4BE1 INT4BE2

B – Intellectual skills

Learning Outcomes		Relevant modules
B4.1.	Describe the impact of sustainability on existing and new buildings.	CON4TE1 INT4SUS
B4.2.	Demonstrate the ability to write in a range of formats.	All

B4.3. Develop an awareness and ability to evaluate and appraise information.	All

C – Subject practical skills

Learning Outcomes	Relevant modules
C4.1. Recognise the uses of technology in the built environment.	CON4TE1 INT4BE1 INT4BE2
C4.2. Illustrate an understanding of the development and use of digital skills.	INT4BE1 INT4BE2
C4.3. Understand areas of legislation which affect the built environment.	INT4SUS LAW4RBE PRO4BPR

D - Key / Transferable skills

Learning Outcomes	Relevant modules
D4.1. Develop and plan individual learning to achieve successful outcomes.	All
D4.2. Demonstrate the development of written, numeric and communication skills.	CON4TE1 PRO4BPR
D4.3. Demonstrate various methods of communicating information.	CON4TE1
D4.4. Identify and solve problems within guided scenarios.	CON4TE1

Level 5

A – Knowledge and understanding

Learning Outcomes	Relevant modules
A5.1 Examine and analyse the principles and theories underpinning construction in relation to quantity surveying.	CON5TE2 QSP5PRO QSP5DEC QSP5MQC QSP5MAC QSP5PPL
A5.2 Analyse the issues surrounding contractual and constructional obligations associated with the administration of contracts.	CON5TE2 QSP5CPR QSP5PPL
A5.3 Evaluate the impact of sustainable development on the construction industry.	CON5TE2 QSP5DEC QSP5MQC

Learning Outcomes		Relevant modules
		QSP5PRO
A5.4	Examine the process by which construction projects are managed both at pre-contract and post contract stages.	QSP5CPR QSP5DEC QSP5MQC QSP5MAC QSP5PRO QSP5PPL

B – Intellectual skills

Learning Outcomes		Relevant modules
B5.1	Integrate and transfer appropriate knowledge, skills and learning throughout the range of subject areas covered.	CON5TE2 QSP5CPR QSP5DEC QSP5PRO QSP5MQC QSP5PPL
B5.2	Apply concepts and principles across the various subject areas within the same level of study.	CON5TE2 QSP5CPR QSP5DEC QSP5PRO QSP5MQC QSP5PPL

C – Subject practical skills

Learning Outcomes		Relevant modules
C5.1	Apply appropriate techniques for controlling and monitoring resources relevant for construction projects to practical scenarios.	QSP5DEC QSP5PPL
C5.2	Use the main methods of enquiry to evaluate the appropriateness of different approaches to solving a range of problems arising in a professional environment.	CON5TE2 QSP5CPR QSP5DEC QSP5MQC QSP5MAC QSP5PRO QSP5PPL

D – Key / Transferable skills

Learning Outcomes		Relevant modules
D5.1	Communicate and collaborate effectively using a range of media.	CON5TE2 QSP5CPR QSP5DEC QSP5PRO QSP5MQC

Learning Outcomes		Relevant modules
		QSP5PPL
D5.2	Organise and manage workflow independently and efficiently.	CON5TE2 QSP5CPR QSP5DEC QSP5PRO QSP5MQC QSP5PPL
D5.3	Solve problems and make decisions through reflective thinking and analysis.	CON5TE2 QSP5CPR QSP5DEC QSP5PRO QSP5MQC QSP5PPL
D5.4	Identify where and how sustainable principles can be adopted thereby considering wider sustainable opportunities and constraints.	QSP5DEC CON5TE2

Level 6

A – Knowledge and understanding

Learning Outcomes		Relevant modules
A6.1	Critically appraise the wider business environment including the political, economic, legal, social, technological, cultural, ethical, health and safety, sustainability and global influences within which construction and client organisations operate.	MAN6CMC QSP6QSP CON6CSA PRJ6WRA/S
A6.2	Critically evaluate the theories and techniques utilised in the commercial management of construction projects.	MAN6CMC PMA6CPM QSP6QSP QSP6PCC
A6.3	Synthesise the methods required to undertake a research project.	REA6PRO CON6CSA PRJ6WRA/S
A6.4	Demonstrate a critical appreciation of the uncertainties, ambiguities and limits of knowledge and practice in the field of quantity surveying.	CON6CSA MAN6CMC QSP6ADM QSP6QSP QSP6PCC PRJ6WRA/S

B – Intellectual skills

Learning Outcomes		Relevant modules
B6.1	Critically assess a range of resources including contemporary sources, draw on evidence to reflect and evaluate competing explanations to provide appropriate conclusions.	CON6CSA QSP6ADM QSP6PCC QSP6QSP REA6PRO
B6.2	Critically analyse and solve complex problems using appropriate models and methods.	MAN6CMC QSP6QSP PRJ6WRA/S
B6.3	Critically analyse and transfer appropriate knowledge and methods from one topic to another within or between modules.	CON6CSA MAN6CMC QSP6QSP PRJ6WRA/S
B6.4	Select and apply appropriate techniques of research, analysis and appraisal.	MAN6CMC QSP6QSP REA6PRO PRJ6WRA/S

C – Subject practical skills

Learning Outcomes		Relevant modules
C6.1	Acquire, analyse and critically evaluate data and judge its relevance and validity to a range of quantity surveying situations.	MAN6CPM QSP6QSP REA6PRO PRJ6WRA/S
C6.2	Critically assess the validity and rigour of a range of published research.	CON6CSA REA6PRO PRJ6WRA/S
C6.3	Identify and apply technology and decision analysis tools to solve complex problems.	MAN6CMC PMA6CPM QSP6QSP PRJ6WRA/S

D – Key / Transferable skills

Learning Outcomes		Relevant modules
D6.1	Communicate effectively and professionally in a range of mediums to both industry and academic stakeholders.	MAN6CMC QSP6QSP PRJ6WRA/S
D6.2	Demonstrate the ability to identify, use, interrogate, interpret and critically evaluate a range of sources of information.	CON6CSA MAN6CMC QSP6QSP PRJ6WRA/S

Learning Outcomes		Relevant modules
D6.3	Demonstrate critical thinking skills through the application of knowledge to practical quantity surveying situations.	MAN6CMC QSP6QSP PRJ6WRA/S
D6.4	Recognise the limits of knowledge and how this influences analysis and interpretations based on that knowledge.	MAN6CMC QSP6QSP REA6PRO PRJ6WRA/S
D6.5	Have developed the attitudes and applied skills to make informed decisions that reflect care, concern and responsibility for themselves, for others and the environment, now and in the future.	CON6CSA MAN6CMC QSP6QSP PRJ6WRA/S

Delivery Structure for non-apprenticeship and Chartered Surveyor Degree Apprenticeship (part-time study route)

The modules you will study will depend on whether you are a non-apprentice, or you are an apprentice following the Chartered Surveyor Quantity Surveying and Construction pathway or the Construction Quantity Surveyor (CQS) pathway. Chartered Surveyor Apprenticeship students will have the option to study over a period of 4 years or 4.5 years. This decision will be made by their employer at the commencement of their programme.

Autumn (UK) Entry

Level	Non-apprenticeship students		Chartered Surveyor Quantity Surveying and Construction Pathway Apprentices (PQS) (4 Years)		Chartered Surveyor Quantity Surveying and Construction Pathway Apprentices (PQS) (4.5 Years)	
Year 1 Semester 1						
4	INT4BE1	Introduction to the Built Environment 1	INT4BE1	Introduction to the Built Environment 1	INT4BE1	Introduction to the Built Environment 1
4	INT4SUS	Introduction to Sustainability	INT4SUS	Introduction to Sustainability	INT4SUS	Introduction to Sustainability
Year 1 Semester 2						
4	PRO4BPR	Professional and Business Practice	PRO4BPR	Professional and Business Practice	PRO4BPR	Professional and Business Practice
4	CON4TE1	Construction Technology 1	CON4TE1	Construction Technology 1	CON4TE1	Construction Technology 1
Year 2 Semester 1						
4	LAW4RBE	Introduction to Regulatory and Built Environment Law	LAW4RBE	Introduction to Regulatory and Built Environment Law	LAW4RBE	Introduction to Regulatory and Built Environment Law
4	INT4BE2	Introduction to the Built Environment 2	INT4BE2	Introduction to the Built Environment 2	INT4BE2	Introduction to the Built Environment 2
Year 2 Semester 2						
5	CON5TE2	Construction Technology 2	CON5TE2	Construction Technology 2	CON5TE2	Construction Technology 2
5	QSP5DEC	Design Economics and Cost Planning	QSP5DEC	Design Economics and Cost Planning	QSP5DEC	Design Economics and Cost Planning
Year 3 Semester 1						
5	QSP5CPR	Contract Administration and Practice	QSP5CPR	Contract Administration and Practice	QSP5CPR	Contract Administration and Practice
5	QSP5MQC	Measurement and Quantification of Construction Works	QSP5MQC	Measurement and Quantification of Construction Works	QSP5MQC	Measurement and Quantification of Construction Works

Level	Non-apprenticeship students		Chartered Surveyor Quantity Surveying and Construction Pathway Apprentices (PQS) (4 Years)		Chartered Surveyor Quantity Surveying and Construction Pathway Apprentices (PQS) (4.5 Years)	
Year 3 Semester 2						
5	QSP5PRO	Procurement and Tendering	QSP5PRO	Procurement and Tendering	QSP5PRO	Procurement and Tendering
5	QSP5PPL	Programming and Planning	QSP5PPL	Programming and Planning	QSP5PPL	Programming and Planning
Year 4 Semester 1						
6	REA6PRO	Research Proposal	QSP6QSP	Contemporary QS Practice	QSP6QSP	Contemporary QS Practice
6	QSP6PCC	Post Contract Cost Control (PQS)	QSP6PCC	Post Contract Cost Control (PQS)	QSP6PCC	Post Contract Cost Control (PQS)
			PRJ6WRA/S	Workbased Research Project		
Year 4 Semester 2						
6	MAN6CMC	Commercial Management in Construction	MAN6CMC	Commercial Management in Construction	PRJ6WRA/S	Workbased Research Project
6	QSP6ADM	Advanced Measurement	QSP6ADM	Advanced Measurement	QSP6ADM	Advanced Measurement
			PRJ6WRA/S	Workbased Research Project		
Year 5 Semester 1						
6	QSP6QSP	Contemporary QS Practice			PRJ6WRA/S	Workbased Research Project
6	CON6CSA	Contemporary Issues Case Study			MAN6CMC	Commercial Management in Construction

Spring (UK) Entry

Level	Non-apprenticeship students		Chartered Surveyor Quantity Surveying and Construction Pathway Apprentices (PQS) (4 Years)		Chartered Surveyor Quantity Surveying and Construction Pathway Apprentices (PQS) (4.5 Years)	
Year 1 Semester 1						
4	INT4BE1	Introduction to the Built Environment 1	INT4BE1	Introduction to the Built Environment 1	INT4BE1	Introduction to the Built Environment 1
4	INT4SUS	Introduction to Sustainability	INT4SUS	Introduction to Sustainability	INT4SUS	Introduction to Sustainability
Year 1 Semester 2						

Level	Non-apprenticeship students		Chartered Surveyor Quantity Surveying and Construction Pathway Apprentices (PQS) (4 Years)		Chartered Surveyor Quantity Surveying and Construction Pathway Apprentices (PQS) (4.5 Years)	
4	LAW4RBE	Introduction to Regulatory and Built Environment Law	LAW4RBE	Introduction to Regulatory and Built Environment Law	LAW4RBE	Introduction to Regulatory and Built Environment Law
4	INT4BE2	Introduction to the Built Environment 2	INT4BE2	Introduction to the Built Environment 2	INT4BE2	Introduction to the Built Environment 2
Year 2 Semester 1						
4	PRO4BPR	Professional and Business Practice	PRO4BPR	Professional and Business Practice	PRO4BPR	Professional and Business Practice
4	CON4TE1	Construction Technology 1	CON4TE1	Construction Technology 1	CON4TE1	Construction Technology 1
Year 2 Semester 2						
5	CON5TE2	Construction Technology 2	CON5TE2	Construction Technology 2	CON5TE2	Construction Technology 2
5	QSP5MQC	Measurement and Quantification of Construction Works	QSP5MQC	Measurement and Quantification of Construction Works	QSP5MQC	Measurement and Quantification of Construction Works
Year 3 Semester 1						
5	QSP5PRO	Procurement and Tendering	QSP5PRO	Procurement and Tendering	QSP5PRO	Procurement and Tendering
5	QSP5DEC	Design Economics and Cost Planning	QSP5DEC	Design Economics and Cost Planning	QSP5DEC	Design Economics and Cost Planning
Year 3 Semester 2						
5	QSP5CPR	Contract Administration and Practice	QSP5CPR	Contract Administration and Practice	QSP5CPR	Contract Administration and Practice
5	QSP5PPL	Programming and Planning	QSP5PPL	Programming and Planning	QSP5PPL	Programming and Planning
Year 4 Semester 1						
6	REA6PRO	Research Proposal	MAN6CMC	Commercial Management in Construction	MAN6CMC	Commercial Management in Construction
6	QSP6ADM	Advanced Measurement	QSP6ADM	Advanced Measurement	QSP6ADM	Advanced Measurement
			PRJ6WRA/S	Workbased Research Project		
Year 4 Semester 2						
6	QSP6QSP	Contemporary QS Practice	QSP6QSP	Contemporary QS Practice	PRJ6WRA/S	Workbased Research Project

Level	Non-apprenticeship students		Chartered Surveyor Quantity Surveying and Construction Pathway Apprentices (PQS) (4 Years)		Chartered Surveyor Quantity Surveying and Construction Pathway Apprentices (PQS) (4.5 Years)	
6	QSP6PCC	Post Contract Cost Control (PQS)	QSP6PCC	Post Contract Cost Control (PQS)	QSP6PCC	Post Contract Cost Control (PQS)
			PRJ6WRA/S	Workbased Research Project		
Year 5 Semester 1						
6	MAN6CMC	Commercial Management in Construction			PRJ6WRA/S	Workbased Research Project
6	CON6CSA	Contemporary Issues Case Study			QSP6QSP	Contemporary QS Practice

Students studying on the full-time route will complete the programme in 3 years, based on studying three modules per six-month semester.

Delivery Structure for Construction Quantity Surveyor Degree Apprenticeship

Students joining the Construction Quantity Surveyor Degree Apprenticeship programme will have already completed some relevant academic study and will typically join the programme with a 120-credit exemption in relation to the BSc (Hons) Quantity Surveying component.

Autumn (UK) Entry

Level	Construction Quantity Surveyor (CQS) pathway Apprentices	
Year 1 Semester 1		
5	CON5TE2	Construction Technology 2
5	QSP5MAC	Measurement and Costing
Year 1 Semester 2		
5	QSP5PRO	Procurement and Tendering
5	QSP5DEC	Design Economics and Cost Planning
Year 2 Semester 1		
5	QSP5CPR	Contract Administration and Practice
5	QSP5PPL	Programming and Planning
Year 2 Semester 2		
6	MAN6CMC	Commercial Management in Construction
6	QSP6QSP	Contemporary QS Practice
Year 3 Semester 1		
6	QSP6CQS	Post Contract Cost Control (CQS)
6	PRJ6WRA/S	Workbased Research Project
Year 3 Semester 2		

Level	Construction Quantity Surveyor (CQS) pathway Apprentices	
6	PMA6CPM	Construction Project Management
6	PRJ6WRA/S	Workbased Research Project

Spring (UK) Entry

Level	Construction Quantity Surveyor (CQS) pathway Apprentices	
Year 1 Semester 1		
5	CON5TE2	Construction Technology 2
5	QSP5DEC	Design Economics and Cost Planning
Year 1 Semester 2		
5	QSP5CPR	Contract Administration and Practice
5	QSP5MAC	Measurement and Costing
Year 2 Semester 1		
5	QSP5PRO	Procurement and Tendering
5	QSP5PPL	Programming and Planning
Year 2 Semester 2		
6	MAN6CMC	Commercial Management in Construction
6	QSP6QSP	Contemporary QS Practice
Year 3 Semester 1		
6	PMA6CPM	Construction Project Management
6	PRJ6WRA/S	Workbased Research Project
Year 3 Semester 2		
6	QSP6CQS	Post Contract Cost Control (CQS)

Level	Construction Quantity Surveyor (CQS) pathway Apprentices	
6	PRJ6WRA/S	Workbased Research Project

Module Summaries

Core Modules

INT4BE1 Introduction to the Built Environment 1

This module provides an overview of the built environment sector and the role of the construction industry within the UK economy. Students will gain an appreciation of how legal, political, and social issues have shaped and continue to influence the sector. Students will gain an understanding of the project lifecycle and the development process with reference to the RIBA Plan of Works. The module introduces the key stakeholders and professions within the industry. It will enable students to identify with their chosen profession and understand that profession's key responsibilities in meeting the client objectives.

As this is the first module students will study regardless of their programme, it will provide signposting to future modules where the knowledge and skills introduced by this module will be examined in further depth. It will also introduce the opportunities for wider learning provided at UCEM, through the cross-portfolio guest lecture events and the academic skills development provision. Students will also be encouraged to enrol as student members with the appropriate professional body. The content described in this paragraph is not assessed.

INT4SUS Introduction to Sustainability

This module introduces sustainability with a particular focus on the construction and property sector. Students will be made aware of the causes of climate change and key terminology and issues related to sustainable development. The relationship between property and the environment will be examined and criteria by which sustainability is measured in relation to finished buildings is identified. As sustainability is central to the core mission of UCEM, students will also learn about UCEM’s sustainability agenda and activities.

PRO4BPR Professional and Business Practice

This module introduces corporate organisation structures that support the services offered and the importance of client care and the recognition of diversity within the workplace. It provides an appreciation of business planning and the accounting concepts used to support decision making. As employees, the module considers data protection, professional indemnity and health and safety. It further explores the concept of ‘professional’ and how the professional bodies promote professional and ethical practice.

CON4TE1 Construction Technology 1

This module provides an introduction to building, environment and technology based on simple construction, establishing a foundation of knowledge and understanding to be developed in later modules. It develops students’ communication skills, enabling them to describe simple construction in a professional manner. Simple building examples are included, such as traditional masonry construction and roof construction typical in buildings of up to three storeys. Perspectives such as sustainability are considered.

LAW4RBE Introduction to Regulatory and Built Environment Law

This module provides the students with an introduction to the legal and regulatory requirements that relate to the construction and property sector. It considers the legal environment within the context of planning, design and occupation. It further considers Health and Safety as it relates to both design and construction activity.

INT4BE2 Introduction to the Built Environment 2

The primary focus of this module is to provide the students with an introduction to their discipline (as identified by their programme of study.) Working on a case study, students will undertake an authentic task that will develop basic knowledge and skills. To contexualise the task, students will gain an understanding of procurement routes, clients project objectives, sources of project information and collaborative practice.

QSP5DEC Design Economics and Cost Planning

This module aims to provide students with an appreciation of construction costs and the methods used to manage and control costs from inception of a project. It considers what affects the cost of a building, and how the costs of the development can be controlled at the pre-contract stage of the project.

The application of the Royal Institution of Chartered Surveyors (RICS) New Rules of Measurement (NRM) is considered when undertaking pre-contract cost control activities. The methods of producing an order of cost estimate and cost plan are explained alongside their role in the financial reporting and control of a project. The importance of lifecycle costs and the maintenance management of a building are also considered.

CON5TE2 Construction Technology 2

This module provides an introduction to the building and environmental technology of framed construction. Topics covered include: the principles of framed structures; design and its communication; material and component selection; construction techniques; simple environmental services, as well as more complex related issues of sustainability; legislation and fire safety.

Key generic skills such as producing and understanding simple drawn information and professional report writing are introduced.

Examples of framed buildings are included, such as steel, reinforced concrete and timber construction applicable to buildings with different types of usage such as commercial, industrial and residential. Perspectives such as sustainability are also considered.

QSP5CPR Contract Administration and Practice

This module develops the knowledge gained from contract and tort law to focus on the specific aspects of construction projects where it is common to find standard forms of building contracts. The purpose of the module is to develop a broader understanding of law and to apply it to common eventualities on construction and building services projects. This module aims to provide students with the contractual knowledge required to deal on behalf of all parties associated with construction contracts from inception to completion.

QSP5MQC Measurement and Quantification of Construction Work (non CQS apprentices)

This module develops an understanding of the process of measurement and Quantification during the pre-tender process. It particularly focuses on the traditional measurement process and the production of an unpriced BOQ as part of the tendering process. This module will develop key practical skills in quantifying common elements of construction work from simple drawings and specifications using a Standard Method of Measurement (SMM) following industry accepted conventions. It will analyse the various measurement software packages and how they influence the role of the Quantity surveyor during the measurement and quantification of construction works.

QSP5PRO Procurement and Tendering

The module explores the key principles, codes of practice and procedures governing the procurement and tendering of construction projects. The content will develop students understanding of the procurement process, tendering and negotiation with reference to the various procurement routes and tendering methods. Students will be exposed to knowledge

fundamental to adopting strategies critical for tendering and negotiation while at the same time seeking approaches that support the demand for sustainable practices. The impact of computer technology on the procurement and tendering processes will support students' understanding of how its use continues to revolutionise the construction industry.

QSP5PLL Programming and Planning

This module develops an understanding of the principles and techniques of programming and planning on construction projects. It particularly focuses on the quantity surveyor's role with regards to programming and planning to manage and monitor the financial and programme aspects of a construction project. The module will develop the students understanding of planning and programming techniques used for planning and forecasting expenditure. It will discuss the importance of a project programme and the principles of how a programme is affected by change and its subsequent impact on cost.

QSP5MAC Measurement and Costing (CQS pathway apprentices only)

This module provides knowledge and understanding of the principles that inform the skills relevant for measurement and costing of construction work for contractor's quantity surveyors. It supports the appreciation of the roles of the estimator and contractor's quantity surveyor in pricing of construction projects. Understanding the basic principles of measurement using a standard method of measurement such as NRM2 forms an integral part prior to pricing of any construction work. Students will be exposed to knowledge essential for the build-up of unit rates, builders' quantities and the operational estimating approach when pricing construction projects.

QSP6PCC Post Contract Cost Control (PQS) (non CQS apprentices)

This module develops an understanding of post contract cost control processes. It focuses on the effective control of costs during the construction phase of a project. The module will explore how costs and risks are managed and reported on and will introduce cost management techniques used in valuing variations to work, monthly valuations and settlement of final accounts. It will also review how costs are reported to the key stakeholders.

QSP6CQS Post Contract Cost Control (CQS) (CQS apprentices only)

This module develops an understanding of post contract cost control processes from the perspective of the contractor's quantity surveyor. It focuses on the effective control of costs during the construction phase of a project. The module will explore how costs and risks are managed and reported on and introduce cost management techniques used in cost value reconciliation, valuing variations to work, monthly valuations and settlement of final account with both the client and subcontractors. It will also review how costs are reported within the contracting organisation.

MAN6CMC Commercial Management in Construction

This module explores a range of strategic and operational issues in commercial management of construction experienced by contracting organisations. The dynamic business environment within which contracting organisations operate means that they need to be astute when competing or bidding for work and seeking to sustain their turnover and profit margin whilst enhancing stakeholder value. This module therefore provides an opportunity for the student to develop the knowledge, understanding and skills required to operate in this competitive and commercial environment.

QSP6QSP Contemporary QS Practice

This module is designed to provide students with a comprehensive understanding of the professional and contemporary practices in quantity surveying and will explore a range of issues and challenges within the profession in the UK and globally. The module will cover essential skills, knowledge, tools, and the latest sustainability advancements required in today's dynamic construction and business environment.

The significant changes experienced in the construction industry globally over the past decade have required quantity surveyors to adapt their traditional practices and embrace new philosophies, technologies, and tools, in order to remain effective and efficient in the built environment.

This module therefore provides students with an opportunity to develop the knowledge, understanding and skills required to operate in a dynamic and contemporary construction environment.

QSP6ADM Advanced Measurement (non CQS apprentices)

This module provides an introduction to more complex and innovative construction and infrastructure projects and their measurement. It develops the students understanding of the principles of measurement for the measurement of civil engineering, Mechanical and Electrical and Modern Methods of Construction (MMC). It further develops an understanding of appropriate cost management techniques.

PMA6CPM Construction Project Management (CQS apprentices only)

This module explores a range of strategic and operational issues in construction project management. The construction project manager (CPM) plays a key role at all stages of the construction process for diverse client organisations that operate in a dynamic environment. The fundamental need for clients to enhance value in their construction projects and, increasingly, to also engage stakeholders, means that the CPM has a critical contribution to make. This module therefore provides an opportunity to develop the knowledge, understanding and skills required to operate as a CPM in the context of the property and construction industries.

REA6PRO Research Proposal (non-apprentices)

The aim of this module is to enable the student to develop specific research skills and techniques so that they could investigate issues and situations related to their area of interest. The module gives students an opportunity to apply their skills and knowledge to address an industry-based problem. It is anticipated that the module's outcomes will directly enhance career and educational progression by equipping students with relevant analytical skills and techniques to investigate organisational and industry issues.

This module is core for non-apprenticeship students. For those students part of the Apprenticeship Scheme, there is an equivalent Work-based Research Project (PRJ6WRA/PRJ6WRS) module.

CON6CSA Contemporary Issues Case Study (non-apprentices)

The module will introduce you to the latest developments and issues in the built environment sector to allow students to develop a deep understanding of current issues and arguments that dominate contemporary debates and policy making. Students will formulate their own line of enquiry and analysis, informed by the completion of their own critical analysis of related theoretical and empirical work through a review of literature and a presentation of the salient points.

PRJ6WRA/S Workbased Research Project (apprenticeship only)

This module requires students to develop their research skills within the context of the built environment, their chosen career path and the workplace. The students are required to relate the practicalities of the case study to the academic concepts and ideas that underpin it; providing them with the vehicle to conduct a self-directed study. This module also requires students to reflect on the knowledge and skills that they have developed during their programme of studies and requires them to demonstrate their development of their professional competence with reference to the appropriate professional framework.

Learning, Teaching and Assessment

Learning & Teaching

Knowledge and understanding

The teaching, learning and assessment strategy for the programme is guided by the UCEM-wide Learning, Teaching and Assessment Strategy (LTAS 2020-2025). This ensures all programmes promote a logical learning journey for students. The approach adopted is student-centred learning design, that supports the educational needs of our diverse student community. Learning has been designed with flexibility in mind to support students to adopt their own learning experience best suited to their needs.

Students are taught through online learning resources available to them, including customised text material, study papers, learning activities and interactive media. These are complemented by a variety of Lecturer-facilitated sessions and interactions, using a range of media for enhancement of the learning experience.

Students are encouraged to research beyond the material provided and undertake self-directed learning throughout their programme. This expectation increases across the levels. When at level 6, students study either the Research Proposal and Contemporary Issues Case Study modules (non-apprentices) or the Workbased Research Project Module (apprentices) which requires self-directed learning and problem-solving.

Intellectual skills

Learning and teaching methods are applied to enable the development of cognitive skills. These skills are aligned to those used by Quantity Surveyors, but also meet the needs of working in other industries. These skills are developed through interaction with multi-media learning resources, self-directed learning and via participation in student-centred learning activities. The approach to assessment is lecturer-guided and formative feedback on these skills is given appropriate emphasis.

Subject practical skills

The student’s learning experience on the programme begins by introducing them to modules at level 4 that will be the foundation for their understanding of the technology, processes, principles and legislation that affects the construction process and fundamental for the role of a Quantity Surveyor.

Key areas that are covered in the student’s learning experience that are fundamental for their understanding of quantity surveying include but are not limited to legislation, construction processes, technologies, management of the building process and people and the contractual requirements associated with a building project.

Introduction to Regulatory and Built Environment Law at level 4 provides the basic elements underpinning the student’s understanding of the legal requirements relevant for Contract Administration and Practice at level 5 of the programme.

Construction Technology 1 and 2 enable students to understand how buildings are constructed and the technology involved. They are fundamental for the correct interpretation of drawings, which is critical for the quantification and costing that is studied in Measurement and Quantification of Construction Work or Measurement and Costing and Procurement and Tendering at level 5.

The Introduction to the Built Environment at level 4 provides students with an understanding of the construction sector as a market environment and how micro- and macro-economics play a role in its demand.

Design Economics and Cost Planning at level 5 takes students through the development process from feasibility to occupancy and the role of a Quantity Surveyor in providing advice to the client.

The management of processes and people are studied in Professional and Business Practice at level 4. As Quantity Surveyors, students are expected to know the strategic aspects of managing projects commercially, both at pre-and post-contract stages of construction. These are covered in Contemporary QS Practice and Commercial Management in Construction at level 6. The modules expose students to the requirements of their roles when working for the client and contracting organisations.

Key/Transferable skills

The BE Ready Orientation sets out the importance of transferable skills. These skills are developed through the programme, utilising study and assessment. This can be via virtual learning environment (VLE) discussion, tuition discussion, problem-solving exercises, which are conducted individually or in groups, and coursework, which provides the ideal combination to internalise these aspects though different learning methods.

Assessment

The assessment strategy for the programme is guided by the UCEM-wide Learning, Teaching and Assessment Strategy (LTAS 2020-2025). The aim of UCEM's assessments is to allow students an opportunity to demonstrate what they have learned using a range of formats and which encourage critical self-reflection linked to personal development. To support this, assessments are clearly related to module learning outcomes and the activities within the module support students in achieving these.

UCEM's practice is to require assessments to be vocationally and professionally relevant. Assessments are built that have direct application to industry standards, and that enable students to learn through real world scenarios and working practice. This involves the generation of tasks based on problems, scenarios or case studies from recent real-world situations that reflect and/or replicate the vocational requirements of the industry and the international nature of the subject matter. All elements of assessments are discipline-specific for each programme as well as supporting the acquisition and promotion of transferable skills, including research skills development.

Formative assessment and feedback opportunities are provided throughout the programme in a variety of formats to motivate, guide and develop students through their learning. Students are required to complete various pieces of coursework in the modules which are assessed within set time frames. Detailed feedback is provided on lecturer-assessed work, which explains how the mark was derived, what was done well and what could be improved for future assessments. Objective testing is also utilised in formative (including self-assessment) and summative assessment. Individual projects in the final stage are assessed in accordance with their own guidelines and marking schemes.

All assessment contributing to progression or award is subject to moderation policies. Moderation at UCEM is designed to reflect the quality of the student submission and the benchmark standards for the various levels of undergraduate study. Moderation of marking accords with QAA recommended best practice to ensure that marking criteria have been fairly, accurately, and consistently applied during first marking.

Assessment Diet

The types of assessments used on this programme will include coursework (such as essays, reports, reflections, problem questions or presentations), computer-based assessments (CBAs), portfolio, practical and project assessments. The exact combinations of assessment will vary from module to module; please refer to the module descriptors for more information.

The PRJ6WRA/S Workbased Research Project (for apprenticeship students only) has 3 assessments: a presentation; a reflective summary; and a case study report.

Study Support

BE Ready Orientation

The purpose of BE Ready is to prepare students for online learning with UCEM but also to support students throughout their learning journey. Students are expected to visit BE Ready every semester for updates, welcome back week activities as well as advice specific to their level of study.

There are a variety of resources which will help students to get started. These include how to use the VLE, how to navigate a module, the UCEM e-library and how to join a webinar. BE Ready also provides practical advice such as how to manage independent study, where to find our Study Skills resources and how to access academic or pastoral support. All this information is key to having a successful start to supported online learning with UCEM.

Resources are available to support students with referencing and how to develop good academic practice to avoid academic misconduct. A range of study skills support materials are available to apprentices.

Student learning support

The programme is taught via UCEM's Virtual Learning Environment (VLE), and academic facilitation and support is provided online giving students access to UCEM Lecturers and other students worldwide.

The Education team will guide and support students' learning. Furthermore, all students who do not engage with initial assessment or the VLE will receive additional support from the Programme Team. Other UCEM administrative teams provide support for assessments and technical issues including ICT. UCEM's 'Student Central' portal provides the main point of contact for students for these teams throughout the duration of their programme

Each student, wherever their location, will have access to a wealth of library and online materials to support their studies. International students are able to use their local context when writing their assessments.

The Academic Support & Enhancement (ASET) team works with departments to promote student retention, achievement and success. This work is achieved through a multi-faceted approach, which consists of:

- delivering support tutorials to students identified as academically at risk to develop the academic skills needed for success;
- developing 'self-serve' support resources to enable students to develop their academic skills;
- delivering teaching webinars and drop-in sessions on academic skills;

- working with the Education team and other support teams to identify ways in which student success can be further facilitated.

Relevant research is also carried out to inform proactive interventions, and to develop policy and practice.

Disability, neurodiversity, and wellbeing related support is provided via a dedicated Disability and Welfare team at UCEM.

Workplace apprenticeship support and apprenticeship support from UCEM

Students that are studying the programme as part of an apprenticeship programme will be assigned an Apprenticeship Outcomes Officer who is the primary point of contact for the apprentice and their employer during the apprenticeship. Apprentices and their employers will attend progress reviews scheduled at 12-week intervals which will review the apprentices progress, set targets and will check the completion of the off the job diaries and that the apprentice is making demonstrable progress on their apprenticeship.

Apprentice employers should work collaboratively with the apprentice and UCEM, including active participation at 12-week progress reviews, co-ordinating off the job training time and providing the apprentice with the opportunity to practice and embed new skills in the work environment.

English language support

For those students whose first language is not English, or those students who wish to develop their English language skills, additional support is provided through online resources on the VLE in the resource ‘Developing Academic Writing’. The resource includes topics such as sentence structure, writing essays and guidance for writing aimed at developing students study skills.

Personal and professional development

Students are undertaking vocational programmes that are intrinsically linked to the accrediting professional bodies. Students are encouraged and supported to understand the need for the recognition of these bodies and guided as to how to meet the professional membership requirements.

More generally, UCEM has a dedicated careers advisor to ensure students have appropriate access to careers education, information, advice and guidance.

Programme Specific support

Each programme has a Programme Leader, as well as Module Leaders, Module Lecturers and Academic Support Tutors to support the students throughout their time with the Programme.

The UCEM staff are accessible during normal UK working hours, during which they also monitor the 24/7 forums asynchronously and provide encouragement, assistance and necessary lecturer and student feedback services.

Access to the UCEM e-Library is on a 24/7 basis and UCEM has a full-time librarian during normal UK working hours.