



UNIVERSITY COLLEGE
OF ESTATE MANAGEMENT

BSc (Hons) Construction Management

Programme Specification 2025- 2026

Version: 34.00
Status: Final
Date: 21/03/2025

Summary Programme Details

Final Award

Award: BSc (Hons)

Title of (final) Programme: Construction Management

Credit points: 360

Level of award : 6

Intermediate award(s)*

Intermediate award 1: BSc Construction Management (Pass Degree)

Credit points: 300

Level of award: 6

Intermediate award 2: Diploma of Higher Education Construction Management

Credit points: 240

Level of award: 5

Intermediate award 3: Certificate of Higher Education Built Environment Studies

Credit points: 120

Level of award: 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: [Chartered Surveyor Assessment Plan](#)

Name of apprenticeship standard: Construction Site Management (Degree)

Reference number: ST0047

End Point Assessment: non-integrated

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

Link to apprenticeship standard: [Construction Site Management](#)

Link to assessment plan: [Construction Site Management Assessment Plan](#)

BSc (Hons) Construction Management Programme Specification

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 either 2 years or 3 years for Construction Site Management Degree apprenticeship students.

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: K220/ 100151

Programming Code: RBSC

Other coding as required: CM(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

BSc (Hons) Construction Management Programme Specification

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 \(opens new window\)](#)

[QAA Credit Framework for England \(opens a new window\)](#)

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

OfS Standards

[Office for Students \(OfS\) Sector-recognised standards \(opens new window\)](#)

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 allows students to study at their own pace, with 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 construction or project management, which meets the requirements of becoming a Chartered Professional with the Chartered Institute of Building (CIOB), Royal Institution of Chartered Surveyors (RICS), Chartered Association of Building Engineers (CABE) or other related professional bodies, 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.

BSc (Hons) Construction Management Programme Specification

*** 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 are under 19 years old and 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 Department for Education (DfE), these qualifications will need to be fully funded by the employer.

Applicants for the apprenticeship programme that are 19+ years old are not required to have [accepted equivalent Level 2 maths and English qualifications \(opens new window\)](#). However, the DfE will fund functional skills qualifications if deemed necessary by the Employer and apprentice. The employer and apprentice will be informed of their options at point of admission, and they will be required to confirm that they opt in or out of further level 2 study to proceed.

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 Department for Education (DfE) 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 Site Management (Degree) Apprenticeship programme normally are required to have:

- Completed the Level 4 Construction Technician Standard;
- Or
- HNC in Construction or Construction Management or Construction and the Built Environment or other qualification that is accepted by UCEM as providing a 120-credit exemption against the UCEM BSc (Hons) Construction Management;
- Or
- HND or FdSc in Construction or Construction Management or Construction and the Built Environment or other qualification that is accepted by UCEM as providing a 200-credit exemption against the UCEM BSc (Hons) Construction Management.

Applicants to the apprenticeship programme must meet all of the funding eligibility requirements contained in the [DfE 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

BSc (Hons) Construction Management Programme Specification

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) routes into the programme

UCEM policy and procedures for 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.

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). RPL does 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

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

- Management of the development, conservation and improvement of the built environment;
- Managing construction projects, site engineering, measuring and evaluating;
- Estimating the overall cost of carrying out building projects and buying materials;
- Planning pre-contract, so work is carried out in the most efficient and economical way.

Programme Aims

Programme Aims

The programme provides students with a rigorous understanding of the principles, practices and ethics in a world-wide context involved in construction management up to first degree level standard.

The programme reflects the academic underpinning necessary to prepare students for a career as a Chartered Builder, Construction Manager or Chartered Surveyor (RICS Project Management pathway), and other related international professional bodies including CABE, and provides students with 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 for their professional career, and produces 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.

Emphasis is placed on the management of health and safety throughout the construction cycle, and also upon sustainability: economic, social and environmental.

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

Module List

Code	Module	Level	Credits	Core/ Elective
INT4BE1	Introduction to the Built Environment 1	4	20	Core
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
QSP5PRO	Procurement and Tendering	5	20	Core
CON5TE2	Construction Technology 2	5	20	Core
QSP5CPR	Contract Administration and Practice	5	20	Core
SMA5CSM	Construction Site Management	5	20	Core
QSP5MAC	Measurement and Costing	5	20	Core
RET5COP	Retrofit Concept and Practice	5	20	Core
PRJ6IMP	Integrated Management Project	6	20	Core
MAN6CMC	Commercial Management in Construction	6	20	Core
MAN6FAC	Facilities Management	6	20	Core
PMA6CPM	Construction Project Management	6	20	Core
REA6PRO	Research Proposal	6	20	Core for non-apprentices
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.

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.	CON4TE1 INT4BE1 INT4BE2 LAW4RBE PRO4BPR

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

BSc (Hons) Construction Management Programme Specification

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 of 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.	All
D4.4. Identify and solve problems within guided scenarios.	All
D4.5. Develop a knowledge and understanding of the principles of sustainability.	All

Level 5

A – Knowledge and understanding

Learning Outcomes	Relevant modules
A5.1 Examine the principles of building technologies.	CON5TE2
A5.2 Analyse the legal issues surrounding contractual and constructional obligations.	QSP5CPR
A5.3 Evaluate the effect of sustainable approaches upon the construction industry.	CON5TE2 SMA5CSM RET5COP
A5.4 Outline the process by which construction projects are managed.	QSP5CPR SMA5CSM
A5.5 Demonstrate knowledge of the practice of measurement and pricing of construction works	QSP5MAC

B – Intellectual skills

Learning Outcomes	Relevant modules
B5.1 Evaluate techniques used to establish control over costs and resources used in construction projects.	SMA5CSM QSP5CPR
B5.2 Examine key elements of building, environment and technology issues and evaluate potential solutions.	CON5TE2 RET5COP

BSc (Hons) Construction Management Programme Specification

B5.3 Integrate and transfer appropriate knowledge, skills and learning throughout the range of subject areas covered.	CON5TE2 QSP5PRO QSP5CPR QSP5MAC SMA5CSM
B5.4 Develop an ability to construct arguments, make judgements and propose reasoned solutions to complex ideas and concepts.	QSP5PRO RET5COP SMA5CSM

C – Subject practical skills

Learning Outcomes	Relevant modules
C5.1 Develop and examine programmes of works for construction projects.	SMA5CSM
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.	QSP5PRO CON5TE2 QSP5CPR RET5COP SMA5CSM

D - Key / Transferable skills

Learning Outcomes	Relevant modules
D5.1 Communicate and collaborate effectively using a range of media.	CON5TE2 QSP5PRO QSP5CPR QSP5MAC RET5COP SMA5CSM
D5.2 Work independently and manage time efficiently.	CON5TE2 QSP5PRO QSP5CPR QSP5MAC RET5COP SMA5CSM
D5.3 Solve problems and make decisions through reflective thinking and analysis.	CON5TE2 QSP5PRO QSP5CPR QSP5MAC RET5PRO SMA5CSM
D5.4 Identify where and how sustainable principles can be adopted thereby considering wider sustainable opportunities and constraints.	CON5TE2 RET5COP SMA5CSM

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.	MAN6FAC PRJ6IMP CON6CSA REA6PRO PRJ6WRA/S
A6.2 Critically assess, analyse and apply project management and site management skills through teamwork and continuous improvement to construction projects.	MAN6CMC MAN6FAC PMA6CPM PRJ6IMP

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.	CON6REA MAN6CMC PRJ6IMP PRJ6WRA/S
B6.2 Critically analyse and solve complex problems using appropriate models and methods.	CON6REA MAN6FAC PMA6CPM PRJ6IMP REA6PRO PRJ6WRA/S
B6.3 Critically analyse and transfer appropriate knowledge and methods from one topic to another within or between modules.	CON6CSA PMA6CPM PRJ6IMP PRJ6WRA/S
B6.4 Select and apply appropriate techniques of research, analysis and appraisal.	CON6CSA PRJ6IMP 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 construction management situations.	CON6CSA MAN6CMC PMA6CPM PRJ6WRA/S
C6.2 Critically assess research concepts and techniques in relation to construction and the built environment.	CON6REA REA6PRO

BSc (Hons) Construction Management Programme Specification

	PRJ6WRA/S
C6.3 Critically analyse sustainability issues within construction, construction management and the built environment.	CON6REA MAN5FAC PMA6CPM PRJ6WRA/S

D – Key / Transferable skills

Learning Outcomes	Relevant modules
D6.1 Collaborate effectively with others.	PMA6CPM PRJ6IMP
D6.2 Communicate effectively and professionally in a range of mediums to both industry and academic stakeholders.	CON6CSA MAN6CMC MAN6FAC PRJ6IMP PRJ6WRA/S
D6.3 Demonstrate the ability to identify, use, interrogate, interpret and critically evaluate a range of sources of information.	CON6CSA MAN6CMC MAN6FAC REA6PRO PRJ6IMP PRJ6WRA/S
D6.4 Demonstrate competence in applying learning experience to practical construction management situations.	CON6CSA MAN6CMC MAN6FAC PMA6CPM PRJ6IMP 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 MAN6FAC PMA6CPM PRJ6IMP PRJ6WRA/S

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

Chartered Surveyor Degree 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 Degree Apprenticeship students (4 years)		Chartered Surveyor Degree Apprenticeship students (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

BSc (Hons) Construction Management Programme Specification

Level	Non-apprenticeship students		Chartered Surveyor Degree Apprenticeship students (4 years)		Chartered Surveyor Degree Apprenticeship students (4.5 years)	
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	RET5COP	Retrofit Concept and Practice	RET5COP	Retrofit Concept and Practice	RET5COP	Retrofit Concept and Practice
Year 3 Semester 1						
5	QSP5CPR	Contract Administration and Practice	QSP5CPR	Contract Administration and Practice	QSP5CPR	Contract Administration and Practice
5	QSP5MAC	Measurement and Costing	QSP5MAC	Measurement and Costing	QSP5MAC	Measurement and Costing
Year 3 Semester 2						
5	QSP5PRO	Procurement and Tendering	QSP5PRO	Procurement and Tendering	QSP5PRO	Procurement and Tendering
5	SMA5CSM	Construction Site Management	SMA5CSM	Construction Site Management	SMA5CSM	Construction Site Management
Year 4 Semester 1						
6	MAN6CMC	Commercial Management in Construction	MAN6CMC	Commercial Management in Construction	MAN6CMC	Commercial Management in Construction

BSc (Hons) Construction Management Programme Specification

Level	Non-apprenticeship students		Chartered Surveyor Degree Apprenticeship students (4 years)		Chartered Surveyor Degree Apprenticeship students (4.5 years)	
6	MAN6FAC	Facilities Management	MAN6FAC	Facilities Management	MAN6FAC	Facilities Management
			PRJ6WRA/ PRJ6WRS	Workbased Research Project		
Year 4 Semester 2						
6	REA6PRO	Research Proposal	PRJ6IMP	Integrated Management Project	PRJ6WRA/ PRJ6WRS	Workbased Research Project
6	PMA6CPM	Construction Project Management	PMA6CPM	Construction Project Management	PMA6CPM	Construction Project Management
			PRJ6WRA/ PRJ6WRS	Workbased Research Project		
Year 5 Semester 1						
6	PRJ6IMP	Integrated Management Project			PRJ6IMP	Integrated Management Project
6	CON6CSA	Contemporary Issues Case Study			PRJ6WRA/S	Workbased Research Project

BSc (Hons) Construction Management Programme Specification

Spring (UK) Entry

Level	Non-apprenticeship students		Chartered Surveyor Degree Apprenticeship students (4 years)		Chartered Surveyor Degree Apprenticeship students (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	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						

BSc (Hons) Construction Management Programme Specification

Level	Non-apprenticeship students		Chartered Surveyor Degree Apprenticeship students (4 years)		Chartered Surveyor Degree Apprenticeship students (4.5 years)	
5	CON5TE2	Construction Technology 2	CON5TE2	Construction Technology 2	CON5TE2	Construction Technology 2
5	QSP5MAC	Measurement and Costing	QSP5MAC	Measurement and Costing	QSP5MAC	Measurement and Costing
Year 3 Semester 1						
5	QSP5PRO	Procurement and Tendering	QSP5PRO	Procurement and Tendering	QSP5PRO	Procurement and Tendering
5	SMA5CSM	Construction Site Management	SMA5CSM	Construction Site Management	SMA5CSM	Construction Site Management
Year 3 Semester 2						
5	QSP5CPR	Contract Administration and Practice	QSP5CPR	Contract Administration and Practice	QSP5CPR	Contract Administration and Practice
5	RET5COP	Retrofit Concept and Practice	RET5COP	Retrofit Concept and Practice	RET5COP	Retrofit Concept and Practice
Year 4 Semester 1						
6	PMA6CPM	Construction Project Management	PMA6CPM	Construction Project Management	PMA6CPM	Construction Project Management

BSc (Hons) Construction Management Programme Specification

Level	Non-apprenticeship students		Chartered Surveyor Degree Apprenticeship students (4 years)		Chartered Surveyor Degree Apprenticeship students (4.5 years)	
6	MAN6CMC	Commercial Management in Construction	MAN6CMC	Commercial Management in Construction	MAN6CMC	Commercial Management in Construction
			PRJ6WRA/ PRJ6WRS	Workbased Research Project		
Year 4 Semester 2						
6	MAN6FAC	Facilities Management	PRJ6IMP	Integrated Management Project	MAN6FAC	Facilities Management
6	REA6PRO	Research Proposal	MAN6FAC	Facilities Management	PRJ6WRA/ PRJ6WRS	Workbased Research Project
			PRJ6WRA/ PRJ6WRS	Workbased Research Project		
Year 5 Semester 1						
6	PRJ6IMP	Integrated Management Project			PRJ6IMP	Integrated Management Project
6	CON6CSA	Contemporary Issues Case Study			PRJ6WRA/S	Workbased Research Project

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 Site Management Degree Apprenticeship

Students joining the Construction Site Management Degree Apprenticeship programme will have already completed some relevant academic study and will typically join the programme with either a 120-credit or 200-credit exemption in relation to the BSc (Hons) Construction Management component. Students who join prior to Autumn 2026 will study the level 5 & 6 modules shown in the previous version of the [BSc \(Hons\) Construction Management Programme Specification \(opens new window\)](#).

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 Work. 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

BSc (Hons) Construction Management Programme Specification

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 contextualise the task, students will gain an understanding of procurement routes, clients project objectives, sources of project information and collaborative practice.

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.

CON5TE2 Construction Technology 2

This module introduces 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; advanced construction techniques; technology/process innovation and development; components; civil engineering; sustainability; building regulation; contaminated land and fire safety.

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

Examples of framed buildings are included, such as steel, reinforced concrete, and timber construction applicable to buildings with different types of usage and levels of complexity for commercial, industrial, and residential.

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.

SMA5CSM Construction Site Management

This module aims to develop understanding of, and practice the skills associated with, managing, planning and controlling the production of building. This module is seen as the focus for the construction manager at Level 5 in developing the skills directly related to the

BSc (Hons) Construction Management Programme Specification

construction process. It will allow the student to develop the management theory of earlier modules with the practical aspects of site management. The module will relate to construction site management within the global arena and is not intended to be country specific. Students will be encouraged to identify with their own working environment.

QSP5MAC Measurement and Costing

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.

RET5COP Retrofit Concept and Practice

This module explores a range of retrofitting and refurbishment project types and associated issues. Retrofit is a crucial function in terms of keeping existing buildings in use and fit for purpose. Therefore, an understanding of critical retrofit options is essential. This module thus provides an opportunity to develop the knowledge, understanding and skills required to appraise and develop retrofit and refurbishment solutions within the context of stakeholder requirements and the construction industry.

PRJ6IMP Integrated Management Project

This module is designed to integrate the skills and knowledge developed during the programme into a major piece of work and allow the student to demonstrate an understanding of site project management techniques applied to real-life scenarios. It will allow the student to work as a member of a team, co-ordinating skills and abilities.

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.

MAN6FAC Facilities Management

This module aims to develop the understanding of, and practice in, the skills associated with facilities management, and the planning and controlling of the maintenance of built assets. The focus is the skills and knowledge required by the construction manager who may be involved in facilities management and the maintenance of built assets. Students will develop their understanding of the theory of facilities management, and construction management and technology from earlier modules, and will apply these theories in context.

PMA6CPM Construction Project Management

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,

BSc (Hons) Construction Management Programme Specification

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.

1. UCEM Competence Standards

All undergraduate and postgraduate students are expected to meet the basic academic competencies laid out in the admissions criteria for their degree programme. Additionally, UCEM students are expected to meet the following competency standards:

1. Competence Standard: The ability to work independently and/or as part of a team, for the purposes of research, collective problem solving and communication of results/findings.

Justification: Professionals in the built environment are required to work with a variety of stake holders to achieve joint and individual targets. UCEM graduates should be capable in both settings

2. Competence Standard: The ability to exercise self-learning and use acquired theoretical and practical knowledge.

Justification: Students in higher education are required to engage in self-directed learning to achieve learning outcomes. Support is available from UCEM to acquire these skills.

3. Competence Standard: The ability to effectively present key facts, ideas, problem solutions, results etc. using verbal, expressive, and/or written communication.

BSc (Hons) Construction Management Programme Specification

Justification: Professionals within the built environment sector are required to present information to colleagues, clients, and other stakeholders in a variety of formats. UCEM graduates should be able to display these skills.

4. Competence Standard: The ability to submit work within agreed time frames.

Justification: Working to deadlines is a key requirement of professionals in the built environment. UCEM courses have a maximum period of registration that must align with accrediting PSRBs.

5. Competence Standard: The ability to use digital resources as an aid to research, analysis, problem solving and presentation.

Justification: UCEM's delivery method is entirely online with no physical campus. Support is available to assist with use of digital resources.

6. Competence Standard: The ability of learners to express and develop ideas using digital literacy in English.

Justification: UCEM is an online institution based in the UK. Students must have the ability to communicate in English through UCEM's online platforms.

7. Competence: The ability to critically interpret qualitative and/or quantitative data

Justification: Built environment professionals are required to handle both qualitative and quantitative data. UCEM's assessments also require critical interpretation, support is available to develop these skills.

8. Competence: Knowledge of the general principles and practices of professional codes of conduct.

Justification: UCEM's courses are accredited by RICS, CIOB and CABE.

Students seeking professional accreditation are also advised to consult the relevant PSRB which identifies key competencies for various levels of professional competence.

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 Construction Managers, 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 subject themes of the programme introduce the theoretical foundations at Level 4 and develop them in an increasingly applied and specialised context through Levels 5 and 6.

The Introduction to Regulatory and Built Environment Law module at level 4 provides a general legal background to contract law which is developed at level 5 in the Contract Administration and Practice module and at level 6 in Construction Project Management.

Examples of subjects specific to construction management include the managing of the construction project in the Construction Site Management module where skills are developed in managing, planning and controlling the production of building; this includes the management of health and safety. With the module relating to construction site management within the global arena, students are encouraged to relate the topics to their own working environment.

At Level 6, group work is introduced using the Integrated Management Project to reinforce construction management skills and team working. It encompasses the use of a real-life project where the students work in groups of three to carry out a number of tasks. This allows experience in working with people from different global locations and cultures. Facilities Management aims to develop the understanding of, and practice in, the skills associated with facilities management, and the planning and controlling of the maintenance of built assets.

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 through 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

BSc (Hons) Construction Management Programme Specification

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

BSc (Hons) Construction Management Programme Specification

technical issues including ICT. UCEM's VLE 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.

BSc (Hons) Construction Management Programme Specification

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.