

# Programme Specification

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BSc (Hons) Building Surveying

Contents	
Section A	Summary Programme Details
Section B	Rationale for the Programme; Entry Requirements; Progression and Summary Programme Information
Section C	Programme Aims and Learning Outcomes
Section D	Programme Structure
Section E	Curriculum Map

# CEM Programme Specification: BSc (Hons) Building Surveying

Continuation page

## Section A Summary Programme Details

<b>Title of Programme Award</b>	<b>BSc (Hons) Building Surveying</b>	<b>Credit Points</b>	<b>360</b>
		<b>Level of Award</b> Refer <a href="#">QAA FHEQ</a>	<b>Level 6</b>
<b>Interim Awards</b>			
<b>1. Title</b>	<b>Diploma of Higher Education</b>	<b>Credit Points</b>	<b>240</b>
		<b>Level of Award</b> Refer <a href="#">QAA FHEQ</a>	<b>Level 5</b>
<b>2. Title</b>	<b>Certificate of Higher Education</b>	<b>Credit Points</b>	<b>120</b>
		<b>Level of Award</b> Refer <a href="#">QAA FHEQ</a>	<b>Level 4</b>
<b>Validation of Programme</b>			
	<b>Periodic review and revalidation activity</b>	<b>Date of last Programme validation</b>	<b>March 2013</b>
		<b>Date of next Periodic Review</b>	<b>March 2018</b>
<b>Professional Accreditation</b>			
<b>Accrediting Body</b>	<b>The Royal Institution of Chartered Surveyors (RICS)</b>	<b>Date of last Programme Accreditation</b>	<b>August 2013</b>
		<b>Date of next Periodic Review</b>	<b>Annual monitoring</b>
<b>Accrediting Body</b>	<b>Chartered Institute of Building (CIOB)</b>	<b>Date of last Programme Accreditation</b>	<b>Accreditation Pending</b>
		<b>Date of next Periodic Review</b>	
<b>Recognising Body</b>		<b>Date of last Programme Accreditation</b>	<b>Through RICS Partnership Recognition</b>
		<b>Date of next Periodic Review</b>	<b>Annual monitoring</b>
<b>QAA Benchmark Statement (inc date)</b>			
	<b>Construction, property and surveying (2008)</b>	<b>Refer</b>	<b>QAA Masters SB</b> <b>QAA BSc Hons</b>
<b>Mode of Study</b>			
	<b>Supported Distance Learning</b>		

# CEM Programme Specification: BSc (Hons) Building Surveying

Continuation page

<b>Programme Commencement Dates</b>	<b>October 2013</b>	<b>October Semester</b>	<b>30 September 2013</b>
		<b>April Semester</b>	<b>31 March 2014</b>
<b>Date of Programme Specification</b>	<b>2 December 2013</b>	<b>Version</b>	<b>V2.00</b>

## Section B Rationale for the Programme; Entry Requirements; Progression and Summary Programme Information

<b>Rationale for the programme</b>	<p>The rationale for the programme is to present an internationally recognised programme in Building Surveying with a flexible learning format, to facilitate 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. It also fulfils the needs of those who are not in a position to attend a full time or part time degree due to employment reasons or other circumstances. The programme provides for students to study at their own pace, allowing variable module/credit loads to be completed in each semester.</p> <p>The programme is for people who wish to gain an accredited academic qualification within the role of Building Surveying which meets the academic requirements to becoming a Chartered Professional with the Royal Institution of Chartered Surveyors (RICS); the Chartered Institute of Building (CIOB); the Hong Kong Institute of Surveyors or other related professional body and which provides a platform for studying a masters level qualification.</p>
<b>Entry Requirements (Include International equivalence where the entry point has been confirmed)</b>	<p>Entrants to this programme are normally required to have obtained:</p> <ul style="list-style-type: none"> <li>• UCAS tariff of 230 points or an equivalent level of attainment through recognised qualifications not included in the UCAS tariff.</li> <li>• Grade C or better in English and Mathematics at GCSE or equivalent recognised qualifications (e.g. ILETS).</li> </ul> <p>Recognised qualifications having an equivalent level of attainment as those recognised by UCAS include: HND/HNCs, 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.</p> <p>Applications are assessed in accordance with the CEM Admissions Policy.</p>
<b>Accredited Prior Learning (APL) or Accredited Prior Experiential Learning (APEL) routes into the Programme</b>	<p><u>The College accredits qualifications and work/professional experience within the CEM policy for accredited prior learning based on a matching of learning outcomes from prior study/work experience.</u></p> <p>The normal maximum level of accreditation is 180 credits. No level 6 credits are accredited on the basis of APL.</p> <p><u>Examples of accredited programmes include:</u></p> <ol style="list-style-type: none"> <li>1) CEM Diploma in Surveying Practice</li> <li>2) CEM Diploma in Construction Practice</li> </ol>

# CEM Programme Specification: BSc (Hons) Building Surveying

Continuation page

Programme Progression	For details of progression arrangements, please view the <a href="#">Undergraduate Programme Assessment, Progression and Award Regulations</a> and the <a href="#">Academic and General Regulations for Students</a> .
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Awards	For details of the award, please view the <a href="#">Undergraduate Programme Assessment, Progression and Award Regulations</a> and the <a href="#">Academic and General Regulations for Students</a> .
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Career Prospects	<p>The following provide a range of the types of careers that students may pursue after completing this programme:</p> <p><b>Building surveying and construction</b></p> <ul style="list-style-type: none"><li>• Restoring and conserving old buildings or designing and constructing new ones</li><li>• Managing repairs and maintenance, building pathology and remedial action</li><li>• Advising on building law, regulations and control, health and safety legislation (hazardous materials) and environmental matters</li></ul> <p><b>Finance, investment and development</b></p> <ul style="list-style-type: none"><li>• Advising on development, land purchase or compensation for compulsory purchase</li><li>• Financial aspects of real estate, including the sale, purchase and portfolio management of investment property and the financing of real estate projects</li><li>• Working with and understanding the roles of bankers, accountants, developers and major institutional investors in real estate</li></ul> <p><b>Construction management</b></p> <ul style="list-style-type: none"><li>• Managing construction sites or carrying out site engineering, measuring and evaluating</li><li>• Estimating the overall cost of carrying out building projects and buying materials according to programme</li><li>• Planning pre-contract so work is carried out in the most efficient and economical way</li></ul> <p><b>Planning</b></p> <ul style="list-style-type: none"><li>• All aspects of urban and rural planning</li><li>• Advising on economics, amenities, conservation and urban renewal schemes</li><li>• Working with planners to implement plans within a given timescale and budget</li></ul>
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	<p><b>cost management</b></p> <ul style="list-style-type: none"> <li>• Cost consultancy, project management, contractor surveying and facilities management</li> <li>• Preparing feasibility estimates, contract documents and procurement strategies</li> <li>• Cost planning and control from design to completion and whole life costing</li> </ul>
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<b>Opportunities for Placements</b>	There are no opportunities for placements on this programme.

<b>Study Support</b>	<p><b>Student Learning Support</b></p> <p>The programme is delivered with an integral CEM online tuition model, providing students with access to CEM tutors and other students worldwide, through the College VLE.</p> <p>The CEM course administrator will act as the main point of contact to students throughout the duration of their programme. The academic team will guide and support students' learning. The CEM dedicated teams provide support for assignments, exams and technical issues. Each student, whatever their location, will have access to a wealth of library and online materials to support their studies.</p> <p>The Student Services Department has been accredited with the matrix Standard, the unique quality framework for the effective delivery of information, advice and/or guidance on learning and work.</p> <p><b>The Induction Module</b></p> <p>All students are expected to complete the non-credit bearing Induction Module before the programme commences. The Induction Module is designed to equip students with the skills they need to study with CEM. Topics covered include:</p> <p>Studying at a Distance          Understanding your learning style          How to manage your time          Writing in your Own Words- A guide to how to reference your work          Reading actively and critically          Developing Academic Writing</p> <p>The information on Writing in your Own Words is also provided in Cantonese, to reflect the large number of students that CEM has on its programmes from Hong Kong, and to ensure that all students understand the importance of correctly referencing in assessments.</p> <p>The resources within the Induction Module are available to students throughout the duration of their study with CEM.</p>
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# CEM Programme Specification: BSc (Hons) Building Surveying

Continuation page

## Section C: Programme Aim and Learning Outcomes

Intended programme aim and learning outcomes are listed below.

### C1 Programme Aim

#### Programme Aim

The CEM BSc (Hons) in Building Surveying provides students with a rigorous understanding of the principles and practice of building surveying up to first degree level standard. The programme reflects the academic underpinning necessary to prepare students for a career as a Chartered Surveyor with the Royal Institution of Chartered Surveyors (RICS), or other related international professional bodies and provides students with a progressive development of knowledge and skills over three stages of study.

The programme is designed to ensure that graduates have a stimulating and challenging education, which prepares them well for their professional career and to produce capable individuals with the potential to progress to professional status in a building surveying, construction or property related role and prepare for advancement to post graduate level study. Students will develop a broad range of skills which are transferable across other industries.

### C2 Programme Learning Outcomes

#### A. Knowledge and understanding

##### Learning outcomes:

By the end of the programme students should be able to demonstrate knowledge and understanding of:  
A1. The key concepts, theories and principles used in construction, property and surveying relevant to building surveying associated with building pathology, legal principles; economic theory and

##### Learning; teaching and assessment methods

##### Teaching/learning methods and strategies

The teaching, learning and assessment strategy for the Programme is guided by the College-wide Teaching, Learning and Assessment (TLA) strategy. The approach adopted is learner-centred but supported and



## CEM Programme Specification: BSc (Hons) Building Surveying

Continuation page

<b>A. Knowledge and understanding</b>	
<p>applied economics; planning, design, building control, structures, construction, contract administration, costing, performance of buildings; resource management/ sustainability; and management.</p> <p>A2. The factors affecting the construction sector.</p> <p>A3. Specialist knowledge of the construction and maintenance of buildings and the role building surveyors can fulfil in this.</p> <p>A4. Specialist knowledge of building pathology, building surveying and the role building surveyors can fulfil in this.</p> <p>A5. The roles, skills and competencies of building surveyors in practice.</p> <p>A6. The methods required to undertake a research project.</p>	<p>guided, as appropriate to distance learning.</p> <p>Students can acquire knowledge in the modules through distance education resources available to them including; customised text material, core textbooks, web based material and media for communication. These are complemented by teaching sessions using various media for enhancement of the learning experience.</p> <p>Students are encouraged to research beyond the material provided and undertake self directed learning throughout their programme and increasing towards the final stage, such as the project module with self directed learning and problem solving combined with supervisor guidance.</p> <p><b>Assessment</b></p> <p>Students are required to complete various pieces of coursework in the modules which are assessed within strict time frames. Detailed feedback is provided on tutor-assessed work. Objective testing can also be utilised in formative (including self-assessment) and summative assessment. Final semester examination for 20 credit modules uses the unseen closed book method. Individual projects in the final stage are assessed in accordance with strict guidelines and marking scheme. 10 credit modules are assessed using coursework or a final exam or a combination of both.</p> <p>All assessment contributing to progression or award are subject to moderation policies.</p>

## CEM Programme Specification: BSc (Hons) Building Surveying

Continuation page

<b>B. Cognitive skills</b>	
<b>Learning outcomes:</b>	<b>Learning; teaching and assessment methods</b>
<p>By the end of the programme students should be able to demonstrate how to:</p> <p>B1. Examine logically and critically.</p> <p>B2. Integrate theory and practice through application, analysis, synthesis or evaluation.</p> <p>B3. Define, investigate and analyse problems and apply judgement to devise solutions.</p> <p>B4. Work effectively and independently to develop intellectual inquisitiveness and academic scholarship.</p> <p>B5. Communicate clearly and concisely.</p> <p>B6. Transfer appropriate knowledge and methods from one topic to another within or between modules.</p> <p>B7. Plan, conduct and write a report on an independent project.</p> <p>B8. Select and apply appropriate research methods.</p>	<p><b>Teaching/learning methods</b></p> <p>Learning and teaching methods are applied to enable the development of cognitive skills. These skills are aligned to those used by building 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 tutor-guided and formative feedback on these skills is given appropriate emphasis.</p> <p><b>Assessment</b></p> <p>The format of the assignments and examination questions will generally be based around problem solving. More straight forward problems are used at the beginning of the programme with increasing complexity, application, synergy and similar higher level tasks as students progress to stages 2 and 3. The Project module will develop independent research and report writing skills.</p>

## CEM Programme Specification: BSc (Hons) Building Surveying

Continuation page

<b>C. Practical and professional skills</b>	
<b>Learning outcomes:</b>	<b>Learning; teaching and assessment methods</b>
<p>By the end of the programme students should be able to demonstrate how to:</p> <p>C1. Provide basic consultancy advice on building surveying matters covered in the syllabus, such as building pathology, legal matters, design, construction, contract administration, performance of buildings, health and safety or sustainability.</p> <p>C2. Appraise the factors influencing the viability of a project from inception to completion.</p> <p>C3. Produce information for the construction of new buildings and the refurbishment, alteration, maintenance and restoration of existing properties.</p> <p>C4. Give advice to resolve problems or issues on a range of building types or situations related to them.</p> <p>C5. Communicate, including writing or documentation, at a professional level.</p> <p>C6. Locate data or information sources; and assemble and present appropriate information in a variety of contexts.</p>	<p><b>Teaching/learning methods and strategies</b></p> <p>Teaching/learning methods and strategies The subject themes of the programme introduce the theoretical foundations at stage 1 and develop them in an increasingly applied and specialised context through stages 2 and 3.</p> <p>Examples of the subjects specific to building surveying include the following. The evaluation and performance of buildings is taught in the Building Environment Technology modules with aspects of building pathology and professional practice at stage 3. The Legal Studies module provides the legal background to contracts, which is reinforced in the Project Cost Control module. Other aspects of law are in other modules such as, Health and safety, Property Law, Planning Policy and Practice and Environmental Law. Health and safety is part of the Building, Environment, Technology modules and the Building Surveying module. Economics and management are covered in several modules. The refurbishment, alteration, maintenance and restoration of properties is developed in modules at stages 2 and 3. Academic challenge with areas such as problem solving and application develops with progress within the programme.</p> <p><b>Assessment</b></p> <p>Relevant assessment of these skills is undertaken mainly through module coursework. Skills 1-4 are also assessed through unseen examination. Skills 5 and 6 are assessed mainly through the project.</p>

## CEM Programme Specification: BSc (Hons) Building Surveying

Continuation page

D. Key/transerable skills	
Learning outcomes:	Learning; teaching and assessment methods
<p>By the end of the programme students should be able to demonstrate how to:</p> <p>D1. communicate effectively including the use of IT</p> <p>D2. manage time effectively and efficiently</p> <p>D3. be self-motivated through progression in independent study</p> <p>D4. assess problems and reach reasoned solutions</p> <p>D5. attain and apply research skill</p> <p>D6. develop a capacity for independent thought</p>	<p><b>Teaching/learning methods and strategies</b></p> <p>The Induction module sets out the importance of transferable skills. These skills are developed through the programme using study, assessment, via VLE discussion, tuition discussion and problem solving exercises; conducted individually or in groups, plus coursework, provide the mix to internalise these aspects though different learning methods.</p> <p><b>Assessment</b></p> <p>Skills D3 and D5 are developed through all the required coursework but are developed particularly through the Project module.</p> <p>Formative self-assessment (eg quizzes and tasks) are used to develop D1 and D6, whereas more summative coursework and examination assessment tests the relative success in attaining skills D2 to D6. The assessed project submission focuses on D5.</p>

## CEM Programme Specification: BSc (Hons) Building Surveying

Continuation page

### Section D Programme Structure

#### Programme Structure - Stage 1

**Exit award: Certificate of Higher Education. 120 credit points**

Compulsory modules	Credit points	Elective modules	Credit points
<u>Semester October or April</u> (students undertake the module by the end of their first semester)			
Induction	0		
<u>Semester October</u>			
Legal Studies	20	[None]	
People and Organisational Management	20		
Financial and Resource Management	20		
<u>Semester April</u>			
Economics	20	[None]	
Building, Environment, Technology and Simple Construction	20		
Building, Environment, Technology and Framed Structures	20		

## CEM Programme Specification: BSc (Hons) Building Surveying

Continuation page

<b>Programme Structure -Stage 2</b>			
<b>Exit award: Diploma of Higher Education 240 credit points</b>			
<b>Compulsory modules</b>	<b>Credit points</b>	<b>Elective modules</b>	<b>Credit points</b>
<u>Semester October</u>			
Property Law	20	[None]	
Project & Cost Control	20		
Planning & Conservation	20		
<u>Semester April</u>			
Economics of Property and Construction			
Building, Environment, Technology and Complex Projects	20	[None]	
Design and Structures	20		
	20		

## CEM Programme Specification: BSc (Hons) Building Surveying

Continuation page

Programme Structure – stage 3			
<b>Exit award: BSc Building Surveying (with or without Honours) 360 credit points.</b>			
Compulsory modules	Credit points	Elective modules	Credit points
<u>Semester October</u> Building Pathology	20	<u>Semester October: one module from:</u> Planning and Environmental Law Construction Law Commercial Management in Construction Commercial Property Management Professional Surveying Practice	20 20 20 20 20
<u>Semester April</u> Building Surveying Practice	20	<u>Semester April, one module from:</u> Strategic Facilities Management International Construction Valuation context and principles (level 5) Construction Project Management	20 20 20 20
<u>Semester October &amp; April</u> Project (20 credit points per semester = 40 credit points total)	40	Note only one level 5 module may be taken at stage 3	

### Distinctive features of the programme:

- The interactive induction module
- The flexibility to choose the start date – two intakes per academic year (April or October Semester)
- The flexibility for students to choose the pace of their study (for students who are working full time it is recommended that they limit their studies to 80 credits in a calendar year initially)
- The ability to change degree programme pathway at the end of Stage 1 (common Level 4 modules for all CEM BSc (Hons) programmes)
- Stages 2 and 3 offering a strong and distinctive building surveying focus
- Wide ranging elective modules offered in Stage 3
- The ability to interact with students from different programmes and in varied geographical locations locally and internationally via the VLE
- International professional and personal networking opportunities
- Recognition and accreditation from various international professional bodies
- Availability of exit routes, via the Certificate of Higher Education or Diploma of Higher Education for those who leave the programme part-way through



# CEM Programme Specification: BSc (Hons) Building Surveying

Continuation page

## Section E Curriculum map

This table indicates which study units assume responsibility for delivering (X) and assessing (A) particular programme learning outcomes.

Stage	Study module/unit	A1	A2	A3	A4	A5	A6	B1	B2	B3	B4	B5	B6	B7	B8	C1	C2	C3	C4	C5	C6	D1	D2	D3	D4	D5	D6
		1	<b>Economics</b>	X A	X A					X A		X	X	X									X	X	X	X	X
<b>Building, Environment, Technology and Simple Construction</b>	X A		X A	X				X A		X	X	X									X	X	X	X	X		X
<b>Building, Environment, Technology and Framed Structures</b>	X A		X A	X				X A	X	X	X	X	X					X			X	X	X	X	X		X
<b>Legal Studies</b>	X A							X A		X	X	X									X	X	X	X	X		X
<b>People and Organisational Management</b>	X A		X A			X		X		X	X	X	X								X	X	X	X	X		X
<b>Financial and Resource Management</b>	X A		X A			X			X	X	X	X	X								X	X	X	X	X		X
2	<b>Economics of Property and Construction</b>	X A	X					X A	X	X	X	X	X	X							X	X	X	X	X		X
	<b>Project and cost control</b>	X A	X A					X A	X	X	X	X				X	X	X			X	X	X	X	X		X
	<b>Property Law</b>	X A						X A	X	X	X	X	X	X		X	X		X		X	X	X	X	X		X

# CEM Programme Specification: BSc (Hons) Building Surveying

Continuation page

Study module/unit		A1	A2	A3	A4	A5	A6	B1	B2	B3	B4	B5	B6	B7	B8	C1	C2	C3	C4	C5	C6	D1	D2	D3	D4	D5	D6	
	<b>Building, Environment, Technology and Complex Projects</b>	X A	X A	X A				X A	X	X A	X	X A	X			X		X	X		X	X	X	X	X		X	
	<b>Design and Structures</b>	X A				X		X A	X	X A	X	X A	X			X		X	X		X	X	X	X	X		X	
	<b>Planning and Conservation</b>	X A	X A	X		X		X A	X	X A	X	X A	X			X		X			X	X	X	X	X		X	
<b>3</b>	<b>Building Surveying Practice</b>	X A	X	X				X A	X	X A	X	X A	X			X A	X	X A	X A	X A	X	X	X	X	X		X	
	<b>Building Pathology</b>	X A	X	X	X A	X		X A	X	X A	X	X A	X			X A		X	X A	X A	X	X	X	X	X		X	
	<b>Project</b>	X	X				X A	X A		X A	X A	X A	X A	X A	X A					X A	X A	X	X	X	X	X A	X	
	<b>Electives</b>																											
	<b>Construction Law</b>	X A	X					X A	X	X A	X	X A	X	X			X A			X A	X A	X	X	X	X	X		X
	<b>Construction Project Management</b>	X A	X					X A	X	X A	X	X A	X	X			X A			X A	X A	X	X	X	X	X		X
	<b>Strategic Facilities Management</b>	X A		X				X A	X	X A	X	X A	X	X			X A			X A	X A	X	X	X	X	X		X
	<b>Commercial Management of Construction Projects</b>	X A	X A					X A	X	X A	X	X A	X	X			X A			X A	X A	X	X	X	X	X		X
	<b>Planning and Environmental Law</b>	X A	X A					X A	X	X A	X	X A	X	X			X A			X A	X A	X	X	X	X	X		X

## CEM Programme Specification: BSc (Hons) Building Surveying

Continuation page

Study module/unit	A1	A2	A3	A4	A5	A6	B1	B2	B3	B4	B5	B6	B7	B8	C1	C2	C3	C4	C5	C6	D1	D2	D3	D4	D5	D6
<b>International Construction</b>	X A	X A					X A	X	X A	X	X A	X			X A			X A	X A	X	X	X	X		X	
<b>Commercial Property Management</b>	X				X A						X A										X A	X A	X	X	X	
<b>Professional Surveying Practice</b>	X A	X	X	X	X A		X A	X	X A	X	X A	X			X A		X	X A	X A	X	X	X	X	X	X	
<b>Valuation Context and principles</b>	X A						X A	X	X A								X A			X A	X	X	X	X		