

School of Engineering and Technology

Title of Programme: BSc (Hons) Construction Management

Programme Code: ENUACM

Programme Specification

This programme specification is relevant to students entering:
24 September 2016

Associate Dean of School (Academic Quality Assurance):
Ray Wilkinson

Signature

Programme Specification BSc (Hons) Construction Management

This programme specification (PS) is designed for prospective students, enrolled students, academic staff and potential employers. It provides a concise summary of the main features of the programme and the intended learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. More detailed information on the teaching, learning and assessment methods, learning outcomes and content for each module can be found in Definitive Module Documents (DMDs) and Module Guides.

Section 1

Awarding Institution/Body	University of Hertfordshire
Teaching Institution	University Campus St Albans (UCSA)
University/partner campuses	Oaklands College (WGC), UH
Programme accredited by	-
Final Award	BSc Honours
All Final Award titles	BSc (Hons) in Construction Management
FHEQ level of award	Level 6 (Honours)
UCAS code(s)	N/A
Language of Delivery	English

A. Programme Rationale

This programme is an honours level qualification in Construction Management. The programme provides an opportunity for continued study for students who have achieved a Higher National Certificate (HNC) or equivalent qualification in Construction or a related area.

The programme, which will recruit students who are normally working in appropriate employment and who wish to study part-time, has been developed in response to an employer need and a student demand and to align with the new degree apprenticeship framework in this area.

In addition, the programme design reflects the professional construction management education standards at chartered level as published by the Chartered Institute of Building (CIOB), and is underpinned by the CIOB (2010) inclusive definition of Construction Management set out below:

- Management of the development, conservation and improvement of the built environment
- Exercised at a variety of levels from the site and the project through the corporate organisations of the industry and its clients to society as a whole
- Embracing the entire construction value stream from inception to recycling and focusing upon a commitment to sustainable construction
- Incorporating a wide range of specialist services
- Guided by a system of value demonstrating responsibility to humanity and to the future of the planet
- And informed, supported and challenged by an independent academic discipline.

This underpinning assures alignment with the CIOB Education Framework (2013) and in-turn, to its accreditation process which identifies learning under six key themes:

1. Sustainability
2. The construction environment
3. Construction management
4. Construction technology
5. Health, safety and welfare
6. Ethics and professionalism

The College will be able to apply for CIOB Accredited Centre Status, which will have a positive effect in marketing the programme, as students will be able to gain Chartered status on completion of the honors degree.

Thus, the programme aims to provide the education and skills necessary to employers to enable development of a suitably qualified workforce in construction management and in support of growth in this sector. The programme focusses on the skills, knowledge and values underpinned by research, relevant to construction management. Students will be able to update their skills and knowledge to enhance their effectiveness in their current and any future role. In particular, they will use their experience of the workplace to reinforce their learning.

The structure of the programme is designed to offer an opportunity for completion to honours level following entry at level 5, within 3 years. (NB Students satisfying the entry requirements will be given 120 credits of Accredited Prior Learning). Students can gain the honours degree if they complete the full 240 credits at level 5 and have the equivalent of 360 credits. The Honours Degree fully meets the honours skills as outlined in the Framework for Higher Education Qualifications (levels 5 and 6).

B. Educational Aims of the Programme

The programme has been devised in accordance with the University's graduate attributes of programmes of study as set out in [UPR TL03](#).

Additionally this programme aims to:

- Provide students with the knowledge and skills needed within construction management as part of the built environment.
- Enable students to realise their full potential as construction managers within the built environment and in various roles.
- Create in its students, an awareness of their own personal values and the ethical dimension of professional practice.
- Provide a relevant educational base leading to Chartered status as a CIOB Chartered Construction Manager (MCIOB).
- Foster professional and employer engagement through facilitating student links with CIOB and Constructing Excellence events and by involving a wide range of employers and employer representatives in the programme delivery.
- Reflect the University commitment to provision for the development of graduate skills and attributes in addition to subject expertise.

C. Intended Learning Outcomes

The programme provides opportunities for students to develop and demonstrate knowledge and understanding, skills and other attributes in the following areas. The programme outcomes are referenced to the QAA benchmark statements for Construction, Property and Surveying (2008), the CIOB Educational Framework for Undergraduates and the Framework for Higher Education Qualifications of UK Degree-Awarding Bodies (2014) and relate to the typical student. Additionally, the SEEC Credit Level Descriptors for Further and Higher Education 2010 have been used as a guiding framework for curriculum design.

Knowledge and Understanding	Teaching/learning methods & strategies	Assessment
<p>A1- Key concepts, theories and principles applied in the management of people; projects, resources and processes;</p> <p>A2- The environmental; policy, commercial and legal context in which construction management operates;</p> <p>A3- The major processes of management, planning and control of the construction process;</p> <p>A4- Construction technologies that both enhance cost efficient building project design and promote sustainability/waste minimisation;</p> <p>A5 Professional approaches to health, safety and welfare;</p> <p>A.6 Professional ethics; self-reflection; and wider equality and diversity issues ;</p> <p>A7-The impact and challenge of sustainability at the micro and macro levels;</p> <p>A8 Processes to manage the digital representations of the physical and functional characteristics of places ;</p>	<p>Acquisition of knowledge and understanding (A1-A8) is through a combination of lectures, workshops, small group seminars and applied coursework assignments.</p> <p>Throughout, the learner is encouraged to undertake independent study both to supplement and consolidate what is being taught/learnt and to broaden their individual knowledge and understanding of the subject.</p>	<p>Knowledge and understanding (A1-A8) are assessed through a combination of essay assignments, applied coursework; practical assignments, projects, presentations and unseen tests.</p>
Intellectual skills	Teaching/learning methods & strategies	Assessment
<p>B1-Investigate and analyse and provide appropriate solutions to a wide range of construction management issues;</p> <p>B2- Integrate and critically</p>	<p>Intellectual skills (B1-B5) are developed through the methods and strategies outlined in section A, above. Analysis, problem solving and modelling skills are further developed through tutorial work, practical assignments and</p>	<p>Intellectual skills (B1 to B5) are assessed through, practical assignments and coursework related to in-course exercises, case study reports, presentations and project reports.</p>

<p>evaluate theories, research and concepts applied to leadership and management in practice;</p> <p>B3- Apply appropriate quantitative and qualitative techniques/concepts to investigate contemporary construction management issues;</p> <p>B4- Critically evaluate arguments and evidence and apply professional judgement to problems;</p> <p>B5 Independently research a contemporary construction management issue, analyse findings and make recommendations;</p>	<p>in-course assessments.</p> <p>Throughout, the learner is encouraged to develop intellectual skills further by independent study.</p>	
Practical skills	Teaching/learning methods & strategies	Assessment
<p>C1 - Plan and manage projects and processes taking into account commercial and construction management issues;</p> <p>C2- Communicate effectively across a wide range of audiences to demonstrate an ability to build rapport, influence and motivate others;</p> <p>C3-.Apply communications and information technology skills appropriately;</p> <p>C4 - Prepare and present information and make recommendations in a specified report formats;</p>	<p>Practical skills (C1-C4) are developed throughout the course and by using in-course exercises and associated written reports.</p> <p>Throughout, the learner is expected to consolidate their development of practical computing skills by use of computers available in the learning resources centres.</p>	<p>Practical skills (C1-C4) are assessed through a combination of coursework, using the methods described in sections A and B above</p>
Transferable skills	Teaching/learning methods & strategies	Assessment

D1- Work effectively within a team;	Transferable skills (D1-D4) are developed throughout the programme through practical assignments, coursework reports, oral presentations and project reports;	Transferable skills (D1 to D4) are assessed through a range of assignments built into the curriculum assessment strategy, in coursework, on-line \and computer based activities, oral presentations, reflective accounts and reports.
D2- Communicate confidently and effectively;		
D3 -Reflect on own personal development and formulate strategies for continuous professional improvement;	Throughout, the learner is encouraged to develop transferable skills by maintaining a record of evidence and completing a personal development plan.	
D4 - Undertake effective problem solving and decision-making in complex and unpredictable contexts.		

D. Programme Structures, Features, Levels, Modules, and Credits

The programme is offered in part-time mode only with two entry points a year and leads to the award of a BSc (Hons) Construction Management after 3 years. Entry is at level 5 with suitable entry qualifications as detailed in section F. All modules are compulsory and there are no options.

Programme Structure

The programme structure and progression information below (Table 1a and 1b) is provided for the Honours award. Any interim awards are identified in Table 1b. The Programme Learning Outcomes detailed above are developed and assessed through the constituent modules. Table 2 (in section 2) identifies where each learning outcome is assessed.

Table 1a Outline Programme Structure

Mode of study Part Time

Entry point Semester A

Level 5 Year One

Compulsory Modules Module Title	Module Code	Credit Points	Language of Delivery	% Examination	% Coursework	% Practical	Semesters
The Construction Environment	5FTC1250	15	English	0	100	0	A
Management Principles and Application	5FTC1251	15	English	0	100	0	A
Sustainability for Construction	5FTC1252	15	English	0	100	0	B
Building Information Modelling and Information Management	5FTC1253	15	English	0	100	0	B
The Legal Context and Construction Contract Law	5FTC1254	30	English	50	50	0	C

Level 5/6 Year Two

Compulsory Modules Module Title	Module Code	Credit Points	Language of Delivery	% Examination	% Coursework	% Practical	Semesters
Construction Science	5FTC1255	15	English	50	50	0	A
Construction Project Management	5FTC1256	15	English	0	80	20	A
Team Project	6FTC1192	15	English	0	75	25	B
Construction Technology and Innovation	6FTC1193	15	English	40	60	0	B
Construction and Commercial Management Practice	6FTC1194	30	English		80	20	C

Level 6 Year 3

Compulsory Modules Module Title	Module Code	Credit Points	Language of Delivery	% Examination	% Coursework	% Practical	Semesters
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Leading and Influencing People	6FTC1195	30	English	0	100	0	A
Professional Inquiry Project	6FTC1196	30	English	0	90	10	A/B

Mode of study Part Time

Entry point Semester B

Level 5 Year One

Module Title	Module Code	Credit Points	Language of Delivery	% Examination	% Coursework	% Practical	Semesters
Compulsory Modules							
Sustainability for Construction	5FTC1252	15	English	0	100	0	B
Building Information Modelling and Information Management	5FTC1253	15	English	0	100	0	B
The Legal Context and Construction Contract Law	5FTC1254	30	English	50	50	0	C
The Construction Environment	5FTC1250	15	English	0	100	0	A
Construction Science	5FTC1255	15	English	50	50	0	A

Level 5/6 Year Two

Module Title	Module Code	Credit Points	Language of Delivery	% Examination	% Coursework	% Practical	Semesters
Compulsory Modules							
Project Management	5FTC1256	15	English	0	80	20	B
Management Principles and Application	5FTC1251	15	English	0	100	0	B
Construction and Commercial Management Practice	6FTC1194	30	English	0	80	20	C
Leading and Influencing people	6FTC1195	30	English	0	100	0	A

Level 6 Year 3

Module Title	Module Code	Credit Points	Language of Delivery	% Examination	% Coursework	% Practical	Semesters
Team Project	6FTC1192	15	English	0	75	25	B
Construction Technology and Innovation	6FTC1193	15	English	40	60	0	B
Professional Inquiry Project	6FTC1196	30	English	0	90	10	B/C

Progression to level 6 requires a minimum of 90 credit points passed at level 5.

The award of a BSc (Hons) Degree requires 360 credit points passed with a minimum of at least 120 at level 6.

Honours classification

The University has approved structure and assessment regulations common to all programmes. Full details are provided in [UPR AS14](#), Section D.

Table 1b Final and interim awards available

The programme provides the following final and interim awards:

Award	Minimum requirements	Available at end of Level	Programme Learning Outcomes Developed
Diploma of Higher Education	240 credit points including at least 120 at level 5	5,6	See: http://www.herts.ac.uk/about-us/corporate-governance/learning-outcomes-for-unnamed-awards
BSc Construction Management	300 credit points including 180 at level 5/6 of which 60 must be at level 6	6	ALL except B1,B3,B5,C2 and D3
BSc (Hons) Construction Management	360 credit points including 240 at level 5/6 of which 120 must be at level 6(*)	6	ALL

(*) Note: in accordance with AS11 the maximum APL permitted towards this interim award is 225 points at levels 4/5.

E. Support for students and their learning

Students are supported by;

- A programme manager to help students understand the programme structure
- A programme manager and module leaders to provide academic and pastoral support
- An induction programme at the beginning of each new cohort entry

- A designated administrator based at Oaklands College
- A designated UH-based programme administrator and Link Tutor
- The use of student support services at both Oaklands College and the University of Hertfordshire including advice on finance, University regulations, legal matters, chaplaincy, counselling, disability, learning support, and careers
- StudyNet, a versatile on-line virtual learning environment
- Student voice mechanisms including programme representation, student forum and programme committee.
- Questionnaire responses collected via Module Feedback Questionnaire (MFQ).
- Use of a wide range of current Learning Resources both at Oaklands College and the University of Hertfordshire, including digital and print information, and computer and Wi-Fi access
- Use of both the University of Hertfordshire and Oaklands College Student Unions
- Free student membership of Constructing Excellence
- Access for students to a Study Skills support Tutor (UCSA)
- Access for staff and students to designated StudyNet support and training (UCSA)

F. Entry requirements

The normal requirements for entry to the programme at level 5 are:

A Higher National Certificate (HNC) or equivalent in Construction Management (or a suitable cognate area). Students will typically have attained a merit grade overall.

The normal requirements for entry to the programme at level 6 are:

A Foundation Degree or Higher National Diploma (HND) in Construction Management (or a suitable cognate area).

Students will typically require a 50% average grade overall if Foundation Degree or a merit grade overall if HND.

All applicants are normally required to either be working in the sector or had relevant employment experience in the last 3 years.

All applicants must have:

GCSE English Language and Mathematics at grade C or above or equivalent.

All students from non-majority English speaking countries require proof of English language proficiency. International applicants would be subject to UKVI requirements.

A minimum of IELTS 6.5 is required (with no less than 5.5 in any band). Other English language tests are accepted

The programme is subject to the University's Principles, Policies, Regulations and Procedures for the Admission of Students to Undergraduate and Taught Postgraduate Programmes and will take account of University policy and guidelines for assessing accredited prior certificated learning (APCL) and accredited prior experiential learning (APEL). Advanced standing entrants, for example those who have attained an equivalent qualification to HNC as part of a Higher Apprenticeship or who have substantial work experience (normally at least 3 years), shall be considered by the School using procedures for recognition of Accredited Prior Certificated Learning (APCL) and Accredited Prior Experiential Learning (APEL) in accordance with the Flexible Credit Framework (FCF). APCL will be capped at 225 credits.

Section 2

Programme management

Relevant QAA subject benchmarking statements	Construction, Property and Surveying 2008
Date of validation/last periodic review	11 th March 2016
Date of production/ last revision of PS	11/05/2016
Relevant intakes	Level 5 entering September 2016
Administrative School	School of Engineering and Technology

Table 3 Course structure

Course details						
Course code ENUACM		Course description BSc (Hons) Construction Management, UCSA			JACS	K220
Course Instances						
Instances code	Intake	Stream	Instances Year	Location:	Mode of study	
CMUASEP1P-1 CMUASEP1P-2	A	BSc (Hons) Construction Management:	1	University Campus St Albans (UCSA)	Part-time	
CMUASEP2P-1 CMUASEP2P-2	A	BSc (Hons) Construction Management:	2	University Campus St Albans (UCSA)	Part-time	
CMUASEP3P-1 CMUASEP3P-2	A	BSc (Hons) Construction Management:	3	University Campus St Albans (UCSA)	Part-time	
CMUAJAN1P-1 CMUAJAN1P-2	B	BSc (Hons) Construction Management:	1	University Campus St Albans (UCSA)	Part-time	
CMUAJAN2P-1 CMUAJAN2P-2	B	BSc (Hons) Construction Management:	2	University Campus St Albans (UCSA)	Part-time	
CMUAJAN3P-1 CMUAJAN3P-2	B	BSc (Hons) Construction Management:	3	University Campus St Albans (UCSA)	Part-time	

The programme is managed by;

- The Dean of School;
- The Director of Higher Education (UCSA);
- Associate Dean of School (AQA) who has responsibility for programmes in the School of Engineering and Technology ;
- The UH Link Tutor;
- The programme manager (UCSA) who is responsible for the day to day management and who advises students on the programme as a whole;
- An Admissions Tutor (UCSA), who is also the programme manager, with specific responsibility for Open Days and selection;
- A designated UCSA administrator to deal with day to day administration associated with the programme;
- A designated UH administrator (CPU);

Module Leaders who are responsible for individual modules;
A programme committee, the membership of which includes student representatives from each level of study and key members of the teaching team.

Programme-specific assessment regulations

The programme is compliant with the University's academic regulations (UPR AS11, UPR AS12 or UPR AS13, UPR AS14) with the exception of those listed below, which have been specifically approved by the University:

Final compensatory credit will not be awarded for the 'Professional Inquiry Project' 6FTC1196.

Other sources of information

- Definitive Module Documents
- Module Guides
- Student Handbook
- A-Z guide
<http://www.studynet1.herts.ac.uk/ptl/common/support.nsf/support?ReadForm>
- University of Hertfordshire Course website:
<http://www.herts.ac.uk/courses/>
- QAA Benchmark Statement website:
<http://www.qaa.ac.uk/assuring-standards-and-quality/the-quality-code/subject-benchmark-statements>
- Frameworks for Higher Education Qualifications of UK Degree-Awarding Bodies (2014)
[The Frameworks for Higher Education Qualifications of UK Degree-Awarding Bodies](#)
- SEEC Credit Level Descriptors for Further and Higher Education 2010:
<http://www.seec.org.uk/wp-content/uploads/2013/seec-files/SEEC%20Level%20Descriptors%202010.pdf>
- External Quality Review report website:
http://www.qaa.ac.uk/reviews-and-reports/provider?UKPRN=10007147#.VCFXlha_hSU
- Professional or Statutory Regulatory Body information:
<http://www.ciob.org/sites/default/files/CIOB%20Education%20Framework%20for%20Undergraduate%20Programme%202013.pdf> UNISTATS website:
<http://www.unistats.com/>
- University of Hertfordshire Academic Quality website:
(StudyNet → Staff → Department Lists → Academic Quality Office)
- Structure & Assessment Regulations - Undergraduate & Taught Postgraduate Programmes, UPR AS14:
<http://sitem.herts.ac.uk/secreg/upr/AS14.htm>
- Learning and Teaching Policy and Graduate Attributes, UPR TL03:
<http://sitem.herts.ac.uk/secreg/upr/TL03.htm>
- Admissions - Undergraduate & Taught Postgraduate Students, UPR SA03:
<http://sitem.herts.ac.uk/secreg/upr/SA03.htm>
- Academic Quality, UPR AS17:
<http://sitem.herts.ac.uk/secreg/upr/AS17.htm>
Index of UPRs for students:
http://sitem.herts.ac.uk/secreg/upr_azlist_info.htm
- Information on Programme and Module External Examiners
<http://www.studynet1.herts.ac.uk/ptl/common/studentcentre.nsf/Teaching+Documents/184A221E5EECA6B780257A5C00250BA9?OpenDocument>

Other information relevant to the programme

None

University policies relevant to the Programme

The University undertakes to use all reasonable endeavors to deliver, assess and administer this programme in accordance with this Programme Specification. At the same time it is recognised that it is in the nature of academic developments that changes, for example to the structure, curriculum, and assessment of a programme may be necessary in order to ensure that the programme remains up to date, in response to issues raised as a result of on-going monitoring and evaluation, and/or in order to conform to new regulatory requirements imposed by this institution, by professional or statutory bodies, or by national or governmental bodies.

The programme operates within the guidelines and policies relating to equal opportunities and environmental issues which may be agreed from time to time by the Board of Governors and/or the Academic Board of the University.

Where the programme is offered in collaboration with another institution these policies and guidelines will normally be those of the partner institution.

The programme operates in accordance with the University's Regulations Governing Studies Involving the Use of Human Subjects ([UPR RE01](#)) agreed from time to time by the Academic Board of the University. However, where the programme is offered in collaboration with another institution (for example through a franchise arrangement for all or part of the programme) then specific approval must be obtained from the University for the operation of the programme within ethical guidelines prepared by the partner institution. The partner institution will be responsible for all insurance liability in connection with the observance of ethical guidelines.

Signed

Date.....

Choose an item.

Associate Dean of School (Academic Quality Assurance)

If you would like this information in an alternative format please contact: Mr Tony Myhill, Programme Tutor, UCSA at Tony.Myhill@oaklands.ac.uk

If you wish to receive a copy of the latest Programme Annual Monitoring and Evaluation Report (AMER) and/or the External Examiner's Report for the programme, please email a request to aqo@herts.ac.uk

BSc Construction Management**Table 2: Development of Programme Learning Outcomes in the Constituent Modules**

This map identifies where the programme learning outcomes are assessed in the constituent modules. It provides (i) an aid to academic staff in understanding how individual modules contribute to the programme aims (ii) a checklist for quality control purposes and (iii) a means to help students monitor their own learning, personal and professional development as the programme progresses.

		Programme Learning Outcomes (as identified in section 1 and the following page)																				
		Knowledge & Understanding								Intellectual Skills					Practical Skills				Transferable Skills			
Module Title	Module Code	A1	A2	A3	A4	A5	A6	A7	A8	B1	B2	B3	B4	B5	C1	C2	C3	C4	D1	D2	D3	D4
The Construction Environment	5FTC1250	X	X		X	X	X	x		x			x									
Management Principles and Applications	5FTC1251	X	X				x				x					X				x	x	
Sustainability for Construction	5FTC1252		X		X			x		X			X				x	X				X
Business Information Modelling and Information Management	5FTC1253				X				x	x			X		X		x	X		X		
The Legal Context an Construction Contract Law	5FTC1254		X				X			X							x	x		X		
Construction Science	5FTC1255				x			x		X		X					x	x				x
Construction Project Management	5FTC1256	X	X	x	x				x	X	X		x		X	X	X	X	X	X		X
Team Project	6FTC1192	X					X			X	X				x	X	X	x	X	X	X	X
Construction Technology and Innovation	6FTC1193				X			x		X		X	X				x	x				x
Construction and Commercial Management Practice	6FTC1194	X	X	X		X	X		X	X	X		X		X	x				X	X	x
Leading and Influencing People	6FTC1195	X					X				X		x		X				X	X	X	X
Professional Inquiry Project	6FTC1196	X								X	x	X	X	x			x			X	x	X

Key to Programme Learning Outcomes

Knowledge and Understanding

- A1. Key concepts, theories and principles applied in the management of people; projects, resources and processes;
- A2. The environmental; policy, commercial and legal context in which construction management operates;
- A3. The major processes of management, planning and control of the construction process;
- A4. Construction technologies that both enhance cost efficient building project design and promote sustainability/waste minimisation;
- A5. Professional approaches to health, safety and welfare;
- A6. Professional ethics; self-reflection; and wider equality and diversity issues ;
- A7. The impact and challenge of sustainability at the micro and macro levels;
- A8 Processes to manage the digital representations of the physical and functional characteristics of places;

Intellectual Skills

- B1. Investigate and analyse and provide appropriate solutions to a wide range of construction management based issues
- B2. Integrate and critical evaluate theories, research and concepts applied to leadership and management in practice;
- B3. Apply appropriate quantitative and qualitative techniques/concepts to investigate contemporary construction management issues;

Practical Skills

- C1 . Plan and manage projects and processes taking into account commercial and construction management issues;
- C2
- C2. Communicate effectively across a wide range of audiences to demonstrate an ability to build rapport, influence and motivate others;
- C3. Apply communications and information technology skills appropriately;
- C4. Prepare and present information and make recommendations in a specified report format; ;

Transferable Skills

- D1. Work effectively within a team ;
- D2. Communicate confidently and effectively, both orally and in writing ;

B4. Critically evaluate arguments and evidence and apply professional judgement to problems;

B5 Independently research a contemporary construction management issue, analyse findings and make recommendations;

B6.

D3 Reflect on own personal development and formulate strategies for continuous professional improvement;

D.4 Undertake effective problem solving and decision-making in complex and unpredictable contexts