

Construction Management

**Please note that this programme specification is currently being revalidated and will be updated by end of July 2014.*

Final award	BSc (Hons)
Intermediate awards available	Cert HE, Diploma HE
UCAS code	K221
Details of professional body accreditation	CIOB (Currently being sought)
Relevant QAA Benchmark statements	Construction, Property and Surveying 2008
Date specification last up-dated	November 2011

Profile

The summary - UCAS programme profile

BANNER BOX:

A vocationally focused three year full time or five year part-time construction management honours degree course which provides a good grounding in current concepts, techniques and practices that constitute good construction management. It includes a large proportion of simulated and practical work to reinforce the theories and practices learnt in the classroom with 'hands on' experience.

ENTRY REQUIREMENTS

Entry requirements on to the BSc (Hons) Construction Management will normally be achievement of 240 UCAS points.

Applicants who possess a relevant Higher National Certificate Diploma or a Foundation Degree in Construction can also be bridged on to the 2nd or final full time year or its part time equivalent, depending on the credit value of their HNC/D / or FdSc. in Construction Management.

Generally entry is possible in both semester A & B provided there are not pre-requisite requirements for the modules to be studied. . All candidates must have a GCSE grade C or similar in Mathematics & English. If English is not the candidates first language, they will need to demonstrate satisfactory English language skills by achieving an overall IELTS score of 6 with no skill level below 5.5.

ABOUT THE PROGRAMME

What is Construction Management?

The professional Construction Manager is responsible for the erection of all types of structures and buildings. They carry out site planning, monitoring and progressing work, adaptation or amendment of construction details to suit particular needs or problem situations, together with exercising effective control of the project and undertaking problem

solving and decision-making activities. There are links to design and project management, with close collaboration with both the architect and engineer throughout the construction process; sometimes improving or compensating for any poor design or indeed the buildability of the project.

The construction manager concentrates on the site construction processes based around the need to build within budget and within the agreed time frame, whilst retaining high-quality work and taking account of health and safety requirements.

Construction Management at UEL

Construction management is not new to the School of Computing, Information Technology & Engineering (CITE) as we have over 50 years of experience in teaching civil engineering and related disciplines which include management, costing and technology. Our programmes have long been recognised in Industry as providing graduates with a wide range of practical and theoretical skills. Situated in the heart of the developing East London region in the Royal Docks there are ample opportunities for site visits, local work placements and engaging employer presentations. Our programmes offer you the opportunity to study the fundamental knowledge and theories required by all Construction Managers and apply these to the practical work environment.

Programme structure

The structure of the programme is as follows:

Level 1 Modules

LEVEL	MODULE CODE	TITLE	SKILLS MODULES (Insert Y where appropriate)	CREDITS	STATUS SINGLE
1	CE1201	Skills for Academic Learning in Civil Engineering	Y	20	Core
1	SV1032	Quantitative Methods		20	Core
1	SV1031	Plane Surveying		20	Core
1	CE1211	Geomatics and Construction		20	Core
1	CE1213	Construction Technology		20	Core
1	CE1212	Work based Study		20	Core

Level 2 Modules:

LEVEL	MODULE CODE	TITLE	SKILLS MODULES (Insert Y where appropriate)	CREDITS	STATUS SINGLE
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2	CE2208	Construction and Organisation Management	20	Core
2	CE2221	Construction Cost Control & Management	20	Core
2	CE2219	Construction Science	20	Core
2	CE2218	Contract Administration	20	Core
2	CE2223	Sustainable Construction Methods	20	Core
2	CE2224	Experiential Project	20	Core

Level 3 Modules:

LEVEL	MODULE CODE	TITLE	SKILLS MODULES (Insert Y where appropriate)	CREDITS	STATUS SINGLE
3	CE3218	Advanced Construction Technologies		20	Core
3	SV3132	Management Studies		20	Core
3	CE3212	Quantity Surveying Practice & Procurement		20	Core
3	CE3217	Professional & Corporate Studies		20	Core
3	CE3215	Integrated Projects	Y*	40	Core

Learning environment

The programme benefits from access to purpose built labs, up-to-date on-line resources, access to specialist software, and information technology hardware and modern surveying equipment. Teaching is delivered through formal lectures, tutorials, workshops, and practical classes. Specialist lectures are given by practising professionals from industry with which we have strong links. Most lectures are supported by programme notes which allow students to concentrate on lectures and complete some independent studies of their own. Group work is encouraged in most modules as construction management is a team activity. There is access to a range of industry standard on-line references and databases such as the National Building Standards (NBS) and The Construction Information Service (CIS)

Assessment

Assessment varies from module to module but includes end examinations, coursework, case study analysis, oral presentations and project work, and tests on competence in practical sessions. There is also an individual research project, as well as a group field assessment based around the week long residential field trip to The National Construction Centre's Constructionarium facility in Norfolk.

Work experience/placement opportunities

The School has strong links with industry and hosts a number of activities in which employers have a major role. We have an Industrial Placement Tutor who will assist students in making job applications and an external Industrial Liaison professional who chairs our Industrial Advisor Board (IAB). The IAB advises the field on programme development and provides the very important industrial link.

Full time students are encouraged and assisted to take the opportunity of a full year out placement between the 2nd and final year

Project work

Project work is an important feature of this programme. Students will undertake a number of small projects within their second year as part of their normal module studies. In the final year there is a major individual research dissertation which forms part of their Integrated Projects module (CE3215). Each student shall manage an individual piece of analytical, reflective academic research in the production of a construction related dissertation of their own choice. . This module also enables students take part in the week long residential ‘Constructionarium’ project which simulates a real working environment where learners work alongside contractors and design engineers.

Added value

It is envisaged that this programme once accredited will give exemption into the Chartered Institute of Building (CIOB) membership framework.

IS THIS THE PROGRAMME FOR ME?

If you are interested in...

- Leaving a lasting legacy in the built environment
- Solving problems and working as a team
- Turning design solutions into reality

If you enjoy...

- Working both indoors and outdoors
- Dealing with a wide range of people
- Being well organised and planning ahead
- Using logic and problem solving skills

If you want...

To develop key skills to help you become a first class construction manager this course covers it with detailed exploration of issues regarding quality, timely delivery of objectives and cost efficiency in the production process.

Your future career

A qualified construction manager is a highly sought, not only in the UK but in all major developing regions of the world. You could be working on building and infrastructure works across the globe.

How we support you

The School of Computing, Information Technology & Engineering prides itself on its student support systems. Based on the practice of industry we operate an open door policy with students encouraged to consult with their tutors. Personal tutors will monitor progress and provide assistance and advice with academic and personal problems.

The School facilities include dedicated computer laboratories and equipment which are free to use, as long as they are not required for a class. Technical support is readily available supported by academics.

Bonus factors

Local construction and civil engineering companies visit our School regularly seeking to recruit quality students for work within the industry. There is also a rolling programme of optional construction site visits to major current projects that compliment the academic programme – in the past sites visited included the Olympic Stadium, The Shard and the North East London Overground Line. The strong industrial links provided through our industrial liaison panel encourages the employment and career paths of our engineers. The course structure has been developed with employer consultation using practical work-based structured modules and assessment methods.

Excellent transport links are available to the University via bus or Docklands Light Railway linking with Central London and major rail & airport terminals.

Outcomes

Programme aims and learning outcomes

What is this programme designed to achieve?

This programme is designed to give you the opportunity to:

- prepare learners for a range of technical and professional occupations within the field of Construction Management in which they are currently working or in which they intend to seek employment.
- develop a range of skills and techniques, personal qualities and attitudes essential for successful performance in the management of construction projects.
- meet skills shortages & employment demand within the Construction Industry and related disciplines.
- provide learners with knowledge, skills, understanding and motivation as a basis for progression to professional membership of the Chartered Institute of Building (CIOB)

What will you learn?

The general aim is to provide a programme of study for aspiring construction managers to meet the demands of their profession with a practical work related structure and to enable

them to progress in their careers by achieving an accredited degree programmes leading to Chartered status.

A specific aim of the programme is to promote an active interest in construction and to encourage students to respond to changes and developments within their profession.

Knowledge

- To provide a knowledge and understanding of current theories and developments in construction management

Thinking skills

- To enhance their understanding of the design and management processes relevant to construction management
- To encourage critical awareness and understanding of other professionals in the construction industry

Subject-Based Practical skills

- To train construction managers to a level that will enable them to function effectively in industry
- To allow progression in career and educational development giving opportunities to progress membership of the Chartered Institute of Building.

Skills for life and work (general skills)

- To contribute to the personal development of the individual by developing confidence in their abilities and to help them become a valued professional in shaping the built environment.

Structure

The programme structure

Introduction

All programmes are credit-rated to help you to understand the amount and level of study that is needed.

One credit is equal to 10 hours of directed study time (this includes everything you do e.g. lecture, seminar and private study).

Credits are assigned to one of 5 levels:

- 0 - equivalent in standard to GCE 'A' level and is intended to prepare students for year one of an undergraduate degree programme
- 1 - equivalent in standard to the first year of a full-time undergraduate degree programme

- 2 - equivalent in standard to the second year of a full-time undergraduate degree programme
- 3 - equivalent in standard to the third year of a full-time undergraduate degree programme
- M - equivalent in standard to a Masters degree

Credit rating

The overall credit-rating of this programme is 120 credits at Level 3.

Typical duration

The expected duration of this BSc (Hons) programme is 3 year when attended in full-time mode or five years in part-time mode. It is possible to move from a full-time mode of study to a part-time mode of study and vice-versa, to accommodate any external factors such as financial constraints or domestic commitments. Many of our students make use of this flexibility and this may impact on the overall duration of their study period.

How the teaching year is divided

The teaching year is split into two Semesters A and B. Semester A begins in September A whilst Semester B starts in February. Students can commence the course in either Semester A or Semester B in their first year.

Full time students register for 6 modules in one year (3 modules in each Semester), whilst part-time students register for up to 4 modules in one year (2 modules in each Semester).

What you will study when

This programme is part of a modular degree scheme. A student registered in a full-time attendance mode will take six 20 credit modules per year.

An honours degree student will complete six modules at level one, six at level 2 and six at level 3, notwithstanding that a Foundation Degree is equivalent to 240 credits over level 1 and Level 2.

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3	CE3217	Professional & Corporate Studies		20	Core
3	CE3215	Integrated Projects	Y	40	Core

Requirements for gaining an award

In order to gain an **honours** degree you will need to obtain 360 credits including:

- A minimum of 120 credits at level one or higher
- A minimum of 120 credits at level two or higher
- A minimum of 120 credits at level three or higher

Students who possess a Foundation Degree will be considered as having the requisite credits at level 1 and Level 2.

Where a student is eligible for an Honours degree, and has gained a minimum of 240 UEL credits by achieving a Foundation Degree in Construction Management (or equivalent)

together with a minimum of 120 UEL credits at level 3, the award classification is determined by calculating the arithmetic mean of the 120 credits at level 3.

The arithmetic mean of the best $\times \frac{2}{3}$ + The arithmetic mean of the next best 100 $\times \frac{1}{3}$
100 credits at level 3 credits at levels 2 and/or 3

Then by applying the mark obtained as a percentage, with all decimals points rounded up to the nearest whole number, the following classification will apply:

- 70% - 100% First Class Honours
- 60% - 69% Second Class Honours, First Division
- 50% - 59% Second Class Honours, Second Division
- 40% - 49% Third Class Honours
- 0% - 39% Not passed

Assessment

Teaching, learning and assessment

Teaching and learning

Knowledge is developed through

- Lectures and Seminars
- Assignments
- Projects
- Use of IT
- Professional Institutions

Thinking skills are developed through

- Analytical assessment of data
- Critical assessment of information
- Problem-solving practical applications

Practical skills are developed through

- Case study appraisal
- Drawing and design
- Field programmes and site visits
- Work related assignments

Skills for life and work (general skills) are developed through

- Interactive communication exercises
- Individual and group working sessions

Assessment

Knowledge is assessed by

- Time constrained examinations
- Oral presentations & questioning
- Assignments and project work

'Thinking' skills are assessed by

- Approaches to solving problems
- Analysis of alternative solutions
- Practical solutions to complex tasks

Practical skills are assessed by

- Group survey work
- Application to practical problem-solving
- Work related assignments

Skills for life and work (general skills) are assessed by

- Oral Presentations
- Written communication exercises
- Drawing, sketching and design work

Quality

How we assure the quality of this programme

Before this programme started

Before this programme started, the following was checked:

- there would be enough qualified staff to teach the programme;
- adequate resources would be in place;
- the overall aims and objectives were appropriate;
- the content of the programme met national benchmark requirements;
- the programme met any professional/statutory body requirements;
- the proposal met other internal quality criteria covering a range of issues such as admissions policy, teaching, learning and assessment strategy and student support mechanisms.

This is done through a process of programme approval which involves consulting academic experts including some subject specialists from other institutions.

How we monitor the quality of this programme

The quality of this programme is monitored each year through evaluating:

- external examiner reports (considering quality and standards);

- statistical information (considering issues such as the pass rate);
- student feedback.

Drawing on this and other information, programme teams undertake the annual Review and Enhancement Process which is co-ordinated at School level and includes student participation. The process is monitored by the Quality and Standards Committee.

Once every six years an in-depth review of the whole field is undertaken by a panel that includes at least two external subject specialists. The panel considers documents, looks at student work, speaks to current and former students and speaks to staff before drawing its conclusions. The result is a report highlighting good practice and identifying areas where action is needed.

The role of the programme committee

This programme has a programme committee comprising all relevant teaching staff, student representatives and others who make a contribution towards the effective operation of the programme (e.g. library/technician staff). The committee has responsibilities for the quality of the programme. It provides input into the operation of the Review and Enhancement Process and proposes changes to improve quality. The programme committee plays a critical role in the quality assurance procedures.

The role of external examiners

The standard of this programme is monitored by at least one external examiner. External examiners have two primary responsibilities:

- To ensure the standard of the programme;
- To ensure that justice is done to individual students.

External examiners fulfil these responsibilities in a variety of ways including:

- Approving exam papers/assignments;
- Attending assessment boards;
- Reviewing samples of student work and moderating marks;
- Ensuring that regulations are followed;
- Providing feedback through an annual report that enables us to make improvements for the future.

Listening to the views of students

The following methods for gaining student feedback are used on this programme:

- Module evaluations
- Student representation on programme organising committees
- Student/Staff consultative committee

Students are notified of the action taken through:

- circulating the minutes of the programme committee

- Face to face meetings
- providing details on UEL Direct

Listening to the views of others

The following methods are used for gaining the views of other interested parties:

- Annual student satisfaction questionnaire
- Questionnaires to former students
- Industrial Advisory Board (IAB)
- Placements Officer
- Meetings with work placement partners / JBM partners
- Attending community based initiative groups & careers activities e.g. Capital Xperience

Further Information

Alternative locations for studying this programme

Location Which elements?	Taught by UEL staff	Taught by local staff	Method of Delivery
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Where you can find further information

Further information about this programme is available from:

- The UEL web site <http://www.uel.ac.uk>
- The programme handbook
- Module study guides
- UEL Manual of General Regulations and Policies <http://www.uel.ac.uk/qa>
- UEL Quality Manual <http://www.uel.ac.uk/qa>
- Regulations for the Academic Framework <http://www.uel.ac.uk/academicframework>
- UEL Guide to Undergraduate Programmes