

PROGRAMME SPECIFICATION (2014-15)

Programme Title	Construction Project Management
UCAS/JACS Code	K221
School/Subject Area	School of Engineering and Applied science Engineering Systems and Management Subject Group
Final Award	BSc
Interim Award(s)	CertHE 120 Credits DipHE 240 Credits
Mode(s) of Study	Full Time/Sandwich
Normal Length of Programme	3 years/4 years
Total Credits	360/480
Programme Accredited By	Royal Institution of Chartered Surveyors (RICS) Chartered Institute of Builders (CIOB)
Dates Programme Specification Written and Revised	First written 3rd July 2004 Revision 3 21st December 2011 Revision 4 2nd September 2013 Last reviewed September 2014
Educational Aims of the Programme	<ol style="list-style-type: none"> 1. To provide students with the opportunities to realise their academic potential through appropriately conceived learning experiences; 2. To provide a thorough grounding in the basic principles and associated practices required by the construction industry with particular emphasis on relevant management skills; 3. To provide students with an appropriately structured curriculum, combining teaching in theoretical and knowledge based principles with practical skills training; 4. To produce graduates with the qualities and skills that are in demand by potential employers and who are able to make a valuable contribution to society in general; 5. To offer students the opportunity to obtain relevant industrial experience by providing the option of a sandwich year. 6. To provide students with a working knowledge of the techniques and an understanding of the skills required by site and project managers within the construction industry.
Relevant Subject Benchmark Statements and other current External and Internal Strategies, Policies or Research used to inform programme outcomes	<p>UK Quality Code Part A.1 (2011)</p> <p>Royal Institution of Chartered Surveyors - Policy and guidance on university partners</p> <p>Chartered Institute of Builders - Education Framework</p> <p>Quality Assurance Agency Construction, Property and Surveying Benchmark Statement</p>

STAGE 1**Programme Structures and Requirements: Levels, Modules and Credits**

Module Title	Credits	Level	Module Code	Core/Option	Condoneable Y/N	Pre-requisite(s) Y/N
Principles of Financial Accounting	10	4	BF1101	Core		
Construction Technology	10	4	EC102C	Core		
Study Skills	30	4	EC110A	Core		
Surveying	10	4	EC111C	Core		
Geology and Soil Science	10	4	EC112C	Core		
BIM for Construction	10	4	EC114C	Core	N	Y
Introduction to Logistics	10	4	LT1301	Core		
Law	10	4	LT1305	Core		
Principles of Economics	10	4	LT1307	Core	N	Y
Introduction to Business Management	10	4	SE1500	Core		
TOTAL	120					

STAGE 2**Programme Structures and Requirements: Levels, Modules and Credits**

Module Title	Credits	Level	Module Code	Core/Option	Condoneable Y/N	Pre-requisite(s) Y/N
Principles of Economics	10	4	LT1307	Core		
Building Control	10	5	EC208C	Core		
Estimation, Measurement and Scheduling	20	5	EC211C	Core		
Construction Technology 2	10	5	EC212C	Core		
Construction Materials	10	5	EC213C	Core		
Health, Safety and Risk	10	5	EC214C	Core		
Construction Management and Law	10	5	EC215C	Core		
Professional Development	10	5	EC216C	Core		
Inventory Control	10	5	LT2102	Core		
Project Management	10	5	LT2306	Core		
Database Management	10	5	LT2312	Core		
TOTAL	120					

STAGE 3**Programme Structures and Requirements: Levels, Modules and Credits**

Module Title	Credits	Level	Module Code	Core/Option	Condoneable Y/N	Pre-requisite(s) Y/N
Choose 120 credits from the following options						
EAS Study Placement Year	120	P	SEP001	Option		

EAS Industrial Placement Year	120	P	SEP002	Option		
TOTAL						

STAGE F

Programme Structures and Requirements: Levels, Modules and Credits

Module Title	Credits	Level	Module Code	Core/Option	Condoneable Y/N	Pre-requisite(s) Y/N
Contract Administration	10	6	EC305C	Core		
Green Building	10	6	EC307C	Core		
Final Year Research Project	30	6	EC310a	Core		
Value, Risk and Whole Life Cost Management	10	6	EC311C	Core		
Advanced Materials	10	6	EC312C	Core		
Building Services	10	6	EC314C	Core	Y	Y
International Construction	10	6	EC315C	Core		
Facilities Management	10	6	EC316C	Core		
Inbound Logistics	10	6	LT3101	Core		
Leadership and Human Resource Management	10	6	LT3306	Core		
TOTAL	120					

Programme Outcomes, Learning and Teaching and Assessment Strategies

A. Knowledge and Understanding

	On successful completion of their programme, students are expected to have knowledge and understanding of:	Learning, Teaching and Assessment Strategies to enable outcomes to be achieved and demonstrated	
		Learning and Teaching Methods	Assessment Methods
1	the basic principles of science and mathematics required for construction	A mixture of formal lectures, tutorial classes, laboratory exercises, independent and group practical work associated with taught and project modules, independent study. For the sandwich students, an agreed programme of professional experience and training.	Unseen written examinations, written continuous assessment (in the form of practical and project reports, essays, solved problems, dissertation), supervisor assessed project work, vivas and presentations.
2	the fundamental concepts, technology and principles of construction		
3	the political, social, environmental, economic and business environment within which the construction industry operates		
4	data acquisition, analytical and problem solution methods applicable to construction project management		

5	the basic legislation and management principles relevant to commercial construction and project management		
6	Sandwich students only - the relevance of the programme's discipline-specific and generic content to the world of work.		

B. Intellectual Skills			
	On successful completion of their programme, students are expected to be able to:	Learning, Teaching and Assessment Strategies to enable outcomes to be achieved and demonstrated	
		Learning and Teaching Methods	Assessment Methods
1	analyse the requirements of a problem and select appropriate analytical process(es) to solve that problem	A mixture of formal lectures (often including case studies), tutorial classes, and practical work (both assessed and unassessed) associated with taught modules.	Unseen written examinations, written continuous assessment (in the form of practical and project reports, essays, solved problems, dissertation), supervisor assessed project work, vivas and presentations.
2	plan, conduct and report on a programme of work leading to an end-product		
3	integrate and apply knowledge and methods from a variety of sources		

C. Professional Skills			
	On successful completion of their programme, students are expected to be able to:	Learning, Teaching and Assessment Strategies to enable outcomes to be achieved and demonstrated	
		Learning and Teaching Methods	Assessment Methods
1	apply contract practice within the construction project environment	A mixture of formal lectures and project and seminar work undertaken both individually and as part of a team.	Unseen written examinations, written continuous assessment (in the form of project reports and solved problems), supervisor assessed project work, and presentations and learning portfolio.
2	apply the principles of conflict avoidance, management and dispute resolution		
3	undertake basic project finance and planning		
4	understand the role and responsibilities of the professional construction project manager in society		

D. Transferable Skills			
	On successful completion of their programme, students are expected to show:	Learning, Teaching and Assessment Strategies to enable outcomes to be achieved and demonstrated	
		Learning and Teaching Methods	Assessment Methods
1	The ability to communicate effectively in writing, orally and graphically	Skills are developed through integration within formal lectures, tutorial classes, practical work and projects. For the sandwich students, an agreed programme of professional experience training.	Unseen written examinations, written continuous assessment (in the form of practical and project reports, essays, solved problems, dissertation), supervisor assessed project work, vivas, reflective practice and presentations. Many of these skills are assessed indirectly other learning outcomes
2	Team-working skills		
3	Problem solving skills		
4	Study skills		
5	ICT Skills		
6	Time management skills		
7	Independent learning skills to facilitate professional development		

Entry Requirements	<p>The general entry requirements are stated within the University General Regulations for Undergraduate Programmes.</p> <p>In addition to satisfying the general entry requirements, candidates must satisfy any specific entry requirements for the programme, as approved by the School Learning and Teaching Committee. For this programme candidates must achieve at least 280 points from either 3 A2 subjects or from 2 A2 and 2 A1 subjects.</p> <p>Alternative qualifications will be accepted where these are deemed to be equivalent to the above conditions.</p> <p>Students wishing to progress from Foundation year programmes must attain a minimum average of 60%.</p> <p>Specific Subject Requirements: A level: a science or science related subject GCSE: Maths Grade B Non GCE applicants must have equivalent qualifications as recognised by Senate.</p> <p>Students already reading another degree programme at Aston University may be allowed transfer to this programme, with the agreement of the School's Associate Dean of Undergraduate Programmes.</p>
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<p>Programme Regulations</p>	<p><u>1. Attendance requirements:</u></p> <p>1.1 In order to qualify for the award of the degree a student must have attended the required tutorials, seminars, practical classes and lectures . The following procedures apply in monitoring and dealing with cases of poor attendance:</p> <p>i. in the case of repeated unexcused absence over a period of two weeks or more, disciplinary proceedings may be instituted in the form of an official warning letter requiring attendance;</p> <p>ii. if there is no response to this letter or satisfactory attendance is not resumed, the Executive Dean may require the student to withdraw from the programme.</p> <p>1.2 Field Courses and Practical Classes. Attendance at field courses and practical classes is compulsory.</p> <p><u>2. Industrial/Professional Training</u></p> <p>2.1 Sandwich students are required to undertake an appropriate programme of integrated industrial training of at least 40 weeks duration at such times as approved by the Executive Dean, as per module descriptions for SEP001 or SP002.</p> <p>2.2 Assessment components are as specified in the relevant module descriptions and the Placement Handbook.</p>
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General Regulations (<http://www1.aston.ac.uk/registry/for-staff/regsandpolicies/general-regulations/>) and the Regulations for the programme (above) take precedence over other information sources such as student handbooks if there is a conflict. If there is a conflict between General Regulations and Programme Regulations then General Regulations take precedence unless an exemption has been approved.

This specification provides a concise summary of the main features of the programme and the threshold learning outcomes that a student might normally be expected to achieve and demonstrate if they take full advantage of the learning opportunities that are provided. **The individual modules included in the programme may differ from those listed in this programme specification as our programmes are continuously reviewed.** Information on admissions requirements and career opportunities is available in the relevant prospectus. More detailed information on the learning outcomes, content and teaching, learning and assessment methods of each module can be found in the appropriate module specifications and programme handbook(s) which are available to students on enrolment.