Programme Specification

BSc Quantity Surveying **UCAS Code: K240**

For students entering Part 1 in September 2024 **UFQSURV**

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This document sets out key information about your Programme and forms part of your Terms and Conditions with the University of Reading.

Awarding Institution	University of Reading
Teaching Institution	University of Reading
Length of Programme	3 years
Length of Programme with placement/year abroad	BSc Quantity Surveying (students from BUCEA) - 3 years BSc Quantity Surveying with Year in Industry - 4 years (internal transfer only)
Accreditation	Chartered Institute of Building; Royal Institution of Chartered Surveyors; Board of Quantity Surveyors Malaysia
QAA Subject Benchmarking Group	Land, Construction, Real Estate and Surveying

Programme information and content

BSc Quantity Surveying provides students with the potential to develop a career as a consultant in construction cost management or financial managers of construction organisations. It achieves this aim by the means of learning outcomes which will provide to students a broad education in the academic disciplines related to building design and construction, the management of property, built facility procurement and construction operations. Upon completion students will have acquired a knowledge and understanding of the latest techniques and skills related to construction cost and financial management, and will give to students a potential for the acquisition in practice of an ability to manage the cost and finance of development projects, on behalf of a developer, and manage the financial administration of construction operations.

The programme is structured in a unique manner to provide students with a broad knowledge-base in the first two years, followed by a specialised pathway in the final year. In summary:

Part 1:	Introduces students to the fundamental principles of economics, law and management and the scientific and technical principles of building design and construction that provides a foundation of core knowledge for Parts 2 and 3.
Part 2:	Provides students with the opportunity to build on the key concepts with greater emphasis on the economics, law and management and their application to the construction and property industries. A balance is struck between understanding theoretical principles and the application of knowledge to real issues in the profession and construction industry. The

	aim is to develop competencies that can be used to show the students thinking for Part 3.
Placement/Study abroad year:	The BSc Quantity Surveying with Industrial Year includes an optional year-long industrial placement. Students don't have to make this choice before enrolment; they can make the decision to take a year out during the second year of the course, which provides flexibility in their decision making.
Part 3:	Gives students the opportunity to undertake study in a chosen area of specialism including selecting elective modules which are related to the particular expertise and research activities of the School. At the end of their studies, students should be able to develop their skills for their career in the profession and the industry.

Programme Learning Outcomes - BSc Quantity Surveying

During the course of the Programme, you will have the opportunity to develop a range of skills, knowledge and attributes (known as learning outcomes) For this programme, these are:

	Learning outcomes
1	The nature, roles and structure of the property development and construction industries.
2	The processes of design, construction and servicing of buildings.
3	The environmental, legal, economic and managerial principles of property development in market economies.
4	The techniques required for the procurement, planning, management and costing of building development.
5	The techniques of cost management and accounting of property development, construction procurement and construction processes.
6	Identify, analyse and solve problems; and plan, organise and manage tasks.
7	Transfer appropriate knowledge and methods across subject modules.
8	Rapidly assimilate, evaluate and communicate graphical and written information.
9	Plan, conduct research and write a report.
10	Communicate design and specification information in drawn and written form by hand and by using computer aided techniques.
11	Develop key documents expected from a quantity surveyor such as an elemental design cost plan; a bill of quantities (using both traditional and computerized methods), life cycle cost analysis and advice on procurement options.
12	Quantify and value building work from design information.

You will be expected to engage in learning activities to achieve these Programme learning outcomes. Assessment of your modules will reflect these learning outcomes and test how far you have met the requirements for your degree.

To pass the Programme, you will be required to meet the progression or accreditation and award criteria set out below.

Module information

Each part comprises 120 credits, allocated across a range of compulsory and optional modules as shown below. Compulsory modules are listed.

Part 1 Modules:

Module	Name	Credits	Level
CE1CCS	Construction Science	20	4
CE1CCT	Construction Technology	20	4
CE1CEL	Introduction to Economics and Law	20	4
CE1CIC2	Information and Communication	20	4
CE1ESE	Empirical Studies and Site Engineering	20	4
CE1IMP	Introduction to Management and Projects	20	4

Part 2 Modules:

Module	Name	Credits	Level
CE2BPS	Building Pathology and Surveying Practice	20	5
CE2CPD	Projects and Digitalisation	20	5
CE2CTQ	Introduction to Quantification and Computerised Taking Off	20	5
CE2EST	Building Environment Systems and Technology	20	5
CE2MCP	Management of Construction Projects 1	20	5
CE2PCL	Construction Procurement and Contract Law	20	5

Modules during a placement year or study year (if applicable):

Module	Name	Credits	Level
CE3YIN	Construction Year in Industry	120	6

If you take a year-long placement or study abroad, Part 3 as described below may be subject to variation.

Part 3 Modules:

Module	Name	Credits	Level
CE3CPQ	Project QS	20	6
CE3QBC	Quantification and Costing: Buildings and Civil Works	20	6
CE3RSD	Research Skills and Dissertation	40	6

Remaining credits will be made up of optional modules available in the School of the Built Environment.

Placement opportunities

Placements:

You may be provided with the opportunity to undertake a credit-bearing placement as part of your Programme. This will form all or part of an optional module. You will be required to find and secure a placement opportunity, with the support of the University.

Study Abroad:

You may be provided with the opportunity to undertake a Study Abroad placement during your Programme. This is subject to you meeting academic conditions detailed in the Programme Handbook, including obtaining the relevant permissions from your School, and the availability of a suitable Study Abroad placement. If you undertake a Study Abroad placement, further arrangements will be discussed and agreed with you.

Optional modules:

The optional modules available can vary from year to year. An indicative list of the range of optional modules for your programme can be found online in the Course Catalogue. Details of optional modules for each part, including any additional costs associated with the optional modules, will be made available to you prior to the beginning of the Part in which they are to be taken and you will be given an opportunity to express interest in the optional modules that you would like to take. Entry to optional modules will be at the discretion of the University and subject to availability and may be subject to pre-requisites, such as completion of another module. Although the University tries to ensure you are able to take the optional modules in which you have expressed interest this cannot be guaranteed.

Teaching and learning delivery:

You will be taught primarily through a mixture of lectures, tutorials and seminars, depending on the modules you choose. Some modules may include group work. Some elements of your programme will be delivered via digital technology.

The scheduled teaching and learning activity hours and amount of technology-enhanced learning activity for your programme will depend upon your module combination. In addition, you will undertake some self-scheduled teaching and learning activities, designed by and/or involving staff, which give some flexibility for you to choose when to complete them. You will also be expected to undertake guided independent study. Information about module study hours including contact hours and the amount of independent study which a student is normally expected to undertake for a module is indicated in the relevant module description.

A mixture of the following teaching and learning methods are used to achieve the programme learning outcomes. The proportions vary depending upon the specific modules. For the student, the proportion will also be determined by the pathway and options chosen in the final year.

Lectures and tutorials

Formal lectures are typically one to two hours in length. Academic staff and guest lecturers deliver subject content in creative and innovative ways to achieve active participation by the learner students. Substantive problems are illustrated in lectures and discussed in smaller

tutorial groups for selected modules. The students are expected to undertake independent self-directed study to extend and deepen their understanding.

Project work

In all years of the programme, students undertake project-based modules. Students are provided with real-life and simulated scenarios and practical exercises which apply the theory and concepts that they learn from the programme. These projects involve substantial amounts of group work and help build both technical and interpersonal skills. They often use enquiry-based learning techniques which help deepen students' understanding and also help them develop problem-solving skills. Peer assessment is an important element of this group work.

Field trips / industry visits

Throughout the three years of the programme, students have opportunity to go on field trips, site and industry visits. This is part of our industry-orientated approach that underpins our programme. Field trips are organised by the programme director, module convenors or the career development advisor. Career events are organised on-campus where small, medium and large consultancies and construction organisations talk to students, display their placement offerings and job opportunities for all year groups. These events take place twice a year and typically involve 20+ firms coming to the UoR.

Online learning

We use the University of Reading's Virtual Learning Environment (Blackboard) to give students all their module and programme materials. This online tool is also used for classwork, questions and answer forums and other related work. We also use Teams for online classes and meetings with students. Students' assignments are submitted and graded via Turnitin or Blackboard and feedback is also given online. We use some subject specific e-learning, such as the teaching of Revit for production of drawings and CostX for taking-off and other technology-enhanced learning techniques. Students have access to the Building Cost Information Service through the digital library, with digital access to all current International (ISO) and British Standards.

Accreditation details

The programme is fully accredited with the Chartered Institute of Building, the Royal Institution of Chartered Surveyors and the Board of Quantity Surveyors Malaysia.

Assessment

Knowledge and understanding in Parts 1 and 2 is assessed primarily by unseen examinations and coursework which takes various forms. Intellectual skills in Part 1 are assessed by laboratory reports, tutorial presentations, essays and unseen examination papers. In Parts 2 and 3, these skills are assessed by group project working, individual project reports and a dissertation. Assessment of practical skills is via coursework and the submission of project reports. Unseen examinations are also used where students are

encouraged to display knowledge of techniques and skills. Part 3 projects are designed to test students' competence in exercising practical skills. Transferable skills are assessed through coursework and presentations. The types of assessment include: (i) Summative assessment – generally carried out towards the end of a module or project, contributes towards results; and (ii) Formative assessment – generally carried out throughout a module or project to aid learning; this does not contribute towards results. Further information is contained in the individual module descriptions.

Progression

Part 1
To achieve a threshold performance at Part 1, a student will normally be required to:
(i) Obtain an overall average of 40% over 120 credits taken in Part 1;
(ii) Obtain a mark of at least 40% in individual modules amounting to not less than 80 credits taken in Part 1; and
(iii) Obtain marks of at least 30% in modules amounting to 120 credits.

In order to progress from Part 1 to Part 2, a student must achieve a threshold performance;

The achievement of a threshold performance at Part 1 qualifies a student for a Certificate of Higher Education if they leave the University before completing the subsequent Part.

Transferring from a Joint Honours to a Single Honours programme

Students are able to transfer from a Joint Honours to a Single Honours programme in one of their joint subject areas at the end of Part 1, subject to fulfilling the Part 1 University Threshold Standard, achieving marks of at least 40% in at least 40 credits of modules in the subject to which they wish to transfer, and fulfilling any programme-specific progression rules for the Part 1 Single Honours Programme to which they wish to transfer.

Students who transfer from a Joint Honours to a Single Honours programme may not have taken all of the Part 1 modules listed in the Single Honours Programme Specification. The modules which they have taken will be shown on their Diploma Supplement.

Part 2
To achieve a threshold performance at Part 2, a student shall normally be required to:

(i) Obtain a weighted average of 40% over 120 credits taken in Part 2; and
(ii) Obtain marks of at least 40% in individual modules amounting to at least 80 credits taken in Part 2; and
(iii) Obtain marks of at least 30% in individual modules amounting to at least 120 credits, except that a mark below 30% may be condoned in no more than 20 credits of modules owned by the Department of Mathematics and Statistics.

In order to progress from Part 2 to Part 3, a student must achieve a threshold performance;

The achievement of a threshold performance at Part 2 qualifies a student for a Diploma of Higher Education if they leave the University before completing the subsequent Part.

Professional/placement year

Students are required to pass the professional placement year/study abroad year in order to progress on the programme which incorporates the professional placement year/study abroad year. Students who fail the professional placement year/study abroad year transfer to the non-placement year version of the programme.

Classification

Bachelors' degrees
The University's honours classification scheme is based on the following:

Mark Interpretation
70% - 100% First class
60% - 69% Upper Second class
50% - 59% Lower Second class
40% - 49% Third class
35% - 39% Below Honours Standard
0% - 34% Fail

The weighting of the Parts/Years in the calculation of the degree classification is:

Three year programmes:
Part 2: one-third
Part 3: two-thirds

Four year programmes, including professional/work placement or study abroad:
Part 2: one-third
Placement/Study abroad: not included in the classification
Part 3: two-thirds

The classification method is given in detail in Section 17 of the Assessment Handbook.

Additional costs of the programme

During your programme of study you will incur some additional costs.

For textbooks and similar learning resources, we recommend that you budget between £300 to £500 a year. Some books may be available second-hand, which will reduce costs. A range of resources to support your curriculum, including textbooks and electronic resources, are available through the library. Reading lists and module specific costs are listed on the individual module descriptions.

Printing and photocopying facilities are available on campus at a cost starting at £0.05 (A4, black and white) per page. Costs will depend significantly on your working practices. Most assignments are submitted electronically although occasionally hard copy submission may be required. This is typically when hand drawing or writing is required.

You will be required to buy on arrival a drawing kit which will cost in the range of £50 - £100.

There are a range of field trips included in the course which are usually provided at a low cost 0 - £20 per trip. It would be sensible to budget for at least two of these trips per academic year.

Costs are indicative and may vary according to optional modules chosen and are subject to inflation and other price fluctuations. Estimates were calculated in 2023.

For further information about your Programme please refer to the Programme Handbook and the relevant module descriptions, which are available at http://www.reading.ac.uk/module/. The Programme Handbook and the relevant module descriptions do not form part of your Terms and Conditions with the University of Reading.

BSc Quantity Surveying for students entering Part 1 in session 2024/25
18 July 2023