

Programme Specification

BSc Quantity Surveying (extended Part 1)

For students entering Part 1 in September 2022

JFQSEXTJJ

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	4 years
Accreditation	Royal Institution of Chartered Surveyors (RICS) Chartered Institute of Building (CIOB) Board of Quantity Surveyors Malaysia (BQSM) Pacific Association of Quantity Surveyors (PAQS)

Programme information and content

The BSc Quantity Surveying programme in the School of Built Environment (SBE) aims to provide students with the necessary know-how and the ability to be equipped with managerial skills in the construction industry. The programme provides comprehensive competencies on costing and financial management of the building life cycle.

The Quantity Surveying (QS) programme at the University of Reading Malaysia is unique and has a broad interdisciplinary knowledge base. Students of the QS programme are not limited to the knowledge of the QS practice, but also have an understanding of contemporary matters such as digital technology and sustainability in the construction industry.

The first two years are designed to develop a comprehensive understanding of the disciplines which underpin construction management and the surveying profession. This knowledge includes subjects such as management in built environment, digital technology use in construction, construction technology, quantification and costing, construction site engineering, construction economics, and construction law. Recurring themes throughout the course include the application of digital technologies and internationalisation. There is a strong focus on project work and interdisciplinary collaboration.

The programme aims particularly at those who will become construction cost consultants or financial managers in construction organisations. The programme provides education in building design and construction, the management of property, assets and facilities, procurement, and construction operations.

In addition, the programme provides digital platform for the latest computerised techniques and tools such as CostX, Glodon Cubicost, 3D printing, Building Information Modelling (3D, 4D & 5D), AR, and VR. During the course of their studies at the University of

Reading, all students will be expected to enhance their academic, personal and professional skills such as critical thinking and problem-solving, project management and reporting and will have been encouraged to further develop and enhance the full set of skills through a variety of opportunities available outside their curriculum.

Part 1:	At the first year, students are exposed to general background of construction technology, built environment, principles of law and management, and introduction to construction digitalization.
Part 2:	Provides you with deeper knowledge of core topic areas and more specific application of those areas to the construction industry. For example, students may work with a real client to design and plan for existing construction projects within the country or overseas.
Placement/Study abroad year:	All students complete a compulsory placement in Parts 2 as required by BQSM. Students are required to undertake internship (3 months) immediately after completing their final examinations in Year 2. They are exposed to QS consulting firms, construction firms/companies developers and contractors such as Pakatan Ukur Bahan, Arcadis, Turner and Townsend, Sunway Construction, Gamuda, Ecoworld, Forest City Country Garden, etc. Upon completion of industrial placement, students are required to complete reflective reports and present what they have learnt during the industrial placement. The report and presentation are assessed under CE3CCX Career Development module in Year 3.
Part 3:	At Year 3, a specific project module (CE3CPQ-Project QS), which is vocational, is heavily weighted with the development of initial project budget, elemental cost plan, work programme, procurement strategy, bills of quantities, etc. The completion of these modules involves the undertaking of professional and managerial activities which provides essential working experience offering you an unparalleled choice of Part 3 optional modules led by experts in those fields. The students will also design and implement their own research project. Students can study on the UK campus in Part 3 for the full academic year.

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
CE1CES	Empirical Studies	10	4
CE1CIC2	Information and Communication	20	4
CE1CMP	Principles of Management	10	4
CE1CPR	Projects	10	4
CE1CSE	Construction Site Engineering	10	4

EC103	Economics for Construction and Engineering	10	4
LW1A05	General Introduction to Law	10	4

Part 1: students will study 9 compulsory modules for maximum of 36 credits

Modules CE1CCS, CE1CIC2 and CE1CPR are taught over Autumn & Spring terms (2 terms)

Part 2 Modules:

Module	Name	Credits	Level
CE2BES1	Building Environment Systems	10	5
CE2CBP	Building Pathology	10	5
CE2CBT1	Building Technology	10	5
CE2CCE	Construction Economics	10	5
CE2CCL2	Construction Contract Law	10	5
CE2CMB	Management in the Built Environment	10	5
CE2CPR	Projects	20	5
CE2CPT	Construction Procurement	10	5
CE2CRS	Research Skills	10	5
CE2CSL	Construction Statutory Law	10	5
CE2QCT	Introduction to Quantification and Computerised Taking Off	10	5

Part 2: students will study 11 compulsory modules for maximum of 36 credits

Modules CE2CBT1 and CE2CPR are taught over Autumn & Spring terms (2 terms)

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

Students on BSc Quantity Surveying will undertake a placement between Part 2 and Part 3 of the programme.

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
CE3CCD	Dissertation	40	6
CE3CCM	Construction Contract Management	10	6
CE3CCX	Career Development	10	6
CE3CDT	Digital Technology Use in Construction	10	6
CE3CIF	Quantification for Infrastructure and Civil Engineering Works	10	6
CE3CPQ	Project QS	20	6
CE3CQC	Quantification and Costing	10	6
CE3CS1	Sustainability	10	6

Part 3: students will study 4 compulsory modules for 24 credits

Modules CE3CPQ and CE3CCD are taught over Autumn & Spring terms (2 terms)

Note: Students should select a minimum of 12 credits (elective modules).

Mata Pelajaran Umum (MPU) modules:

Students studying this programme at the University of Reading Malaysia, are additionally required to complete the Mata Pelajaran Umum (MPU) programme prior to graduation, in accordance with Act 555 of the Malaysian Office for Education.

Optional modules:

The optional modules available can vary from year to year. An indicative list of the range of optional modules for your Programme is set out in the Further Programme Information. 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.

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 250MYR to 1000MYR 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 of 0.12MYR per page (B&W).

Costs are indicative and may vary according to optional modules chosen and are subject to inflation and other price fluctuations. The estimates were calculated in 2021.

Placement opportunities

Students who undertake Career Development module in Part 3 must secure their own placement, with the advice and support of the campus Placement Officer. For Malaysian students, it is highly recommended to undertake placement for a minimum of 3-4 months as required by the BQSM.

Teaching and learning delivery:

Various teaching and learning methods are used in curriculum delivery to achieve the programme learning outcome. These methods provide distinct but relevant materials that ensures students gain the appropriate Teaching and Learning (T&L) experience that meet the learning outcomes of each module and hence collectively the programme. You will experience a range of approaches to teaching which are tailored to the learning outcomes of the subjects you will study and the overall objective of the programme. In Part 1 and Part 2 modules are taught in a variety of ways, including lectures, seminars, tutorials, workshops and lab classes. There are also a range of resources available online via our virtual learning environment, Blackboard, including online discussion boards. Research Methods teaching is supported by interactive workshops and specialist drop-in sessions. Modules are typically assessed by a mixture of coursework and formal examination. Coursework includes essays, project reports, reflective writing, oral and presentations, etc.

The total study hours for each Part of your programme will be 950 hours including lecture, tutorials and practical. The contact hours for your programme will depend upon your module combination; an average for a typical set of modules on this programme is approximately 200 hours per year. In addition to your scheduled contact hours, you will be expected to undertake guided independent study. in Part 3 contact hours are between 230-240 hours per year. Information about module 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.

Accreditation details

1. Royal Institution of Chartered Surveyors (RICS)
2. Chartered Institute of Building (CIOB)
3. Board of Quantity Surveyors Malaysia (BQSM)
4. Pacific Association of Quantity Surveyors (PAQS)-This is only applicable to the QS programme in the Malaysian campus.

Assessment

In general, assessment/assignments schemes in the School consist of the following:

- Online quizzes.
- End of term tests.
- Final examination, comprising essay style questions and/or short answer or multiple-choice questions.
- Coursework assignments (written essays and reports).
- Oral presentations.

- Group projects.

Progression requirements

To gain a threshold performance at Part 1, a student shall normally be required to:

- i. obtain an overall average of 40% over 36 credits.
- ii. Obtain a mark of at least 30% in individual modules amounting to not less than 30 credits.

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

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

- i. a weighted average of 40% over 36 credits taken at Part 2;
- ii. marks of at least 40% in individual modules amounting to not less than 24 credits;
and
- iii. marks of at least 30% in individual modules amounting to not less than 36 credits.

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

To obtain an honours degree candidate must achieve 24 credits in the Final Part with marks of at least 40%. To obtain a pass degree candidate must achieve 24 credits in the Final Part with marks of at least 35%.

Classification

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

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 (extended Part 1) for students entering Part 1 in session 2022/23
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