

Programme Specification

BSc Quantity Surveying - September Entry

For students entering Part 1 in September 2027

JFQSSEPJJ

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

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. 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.

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.
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 - September Entry

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	Analyse the structure, roles and interrelationships of the property development and construction industries, and the implications of these in practice.
2	Evaluate the processes of design, construction and servicing of buildings, considering technical, regulatory and client requirements.
3	Apply and critically assess environmental, legal, economic and managerial principles in the context of construction and property development.
4	Evaluate and apply approaches to procurement, planning, management and costing in construction projects, justifying the selection of methods for different contexts.
5	Apply and appraise cost management and accounting techniques relevant to property development, construction procurement and project delivery.
6	Apply problem-solving and decision-making skills to plan, organise and manage construction-related tasks, and evaluate the effectiveness of chosen approaches.
7	Integrate and synthesise knowledge and methods from across subject areas to address construction management challenges.
8	Interpret, evaluate and communicate graphical, numerical and written information to support decision- making.
9	Plan and conduct research using appropriate methodologies, and critically evaluate evidence to produce a structured and coherent report.
10	Communicate design and specification information clearly in drawn and written form, using manual and computer-aided techniques, appropriate to technical and professional contexts.

11	Prepare and critically evaluate key outputs expected from a quantity surveyor, including cost plans, bills of quantities generated through both traditional and computerised methods, life cycle cost analyses, and informed recommendations on appropriate procurement strategies.
12	Quantify and value building work from design information, evaluating assumptions, uncertainties and risks.

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.

In addition to the learning outcomes stated above if you are on a placement or study abroad programme you will have the opportunity to develop the following learning outcome:

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
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
CE3CM1	Construction Contract Management	20	6

CE3CPQ	Project QS	20	6
CE3QBC	Quantification and Costing: Buildings and Civil Works	20	6
CE3RSD	Research Skills and Dissertation	40	6
CE3SBE	Sustainable Built Environments	20	6

Pre-Selected Optional modules:

Students are required to take 40 credits optional modules. Nevertheless, to meet the BQSM requirements, the optional modules are being pre-selected (ie. CE3SBE and CE3CM1).

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 compliance with the Malaysian regulatory requirements.

Placement opportunities

Placements:

Students are required to complete a 16-week (4 months) industrial placement to adhere to BQSM's requirements. This placement aims to prepare students for successful careers in Quantity Surveying by providing them with practical experience. They will work in a professional setting, applying their academic knowledge to real-world situations. The placement duration allows students to engage in meaningful projects and learn essential industry-specific skills. Additionally, it helps them build a professional network and gain exposure to various sectors and organisations in Quantity Surveying. Overall, this industrial placement requirement plays a vital role in equipping students with the necessary skills and industry awareness for their future careers.

Study Abroad:

Student mobility/ transfer: The programme offers the option for the students at the University of Reading Malaysia to spend time at our UK campus studying on the same degree programme. Students may study for a semester or a full academic year in either Part 2 and/or Part 3. Transfer to the UK is dependent on the student successfully completing all required assessments in the prior year. Costs of study in the UK will be notified in advance.

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. Many other modules are largely project-based such as CE1ESE - Empirical Studies and Site Engineering, CE2CPD - Projects and Digitalisation, and CE3CPQ - Project QS.

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 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 lead, module leads 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. This event take place once a year and typically involve firms coming to the UoRM.

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, CostX as well as Glodon Cubicost 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:

- Chartered Institute of Building (CIOB)
- Royal Institution of Chartered Surveyors (RISM)
- Board of Quantity Surveyors Malaysia (BQSM)
- Pacific Association of Quantity Surveyors (PAQS)

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 weighted average of 40% over 120 credits taken in Part 1; and
- (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. (A Fail in a Pass/Fail module will be treated as not meeting the minimum threshold requirement for progression or classification. Pass/fail modules are excluded from weighted average calculations but must be passed to avoid failure of the Part or degree.)

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.

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. (A Fail in a Pass/Fail module will be treated as not meeting the minimum threshold requirement for progression or classification. Pass/fail modules are excluded from weighted average calculations but must be passed to avoid failure of the Part or degree.)

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.

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

Details of the classification method is given in detail in the [Assessment Handbook](#) under:

- Section 17: Awards (Bachelor's), or
- Section 18: Awards (Integrated Master's programmes). Students who do not progress to Part 4 of the Integrated Master's will normally be subject to the method detailed under Section 17: Awards (Bachelor's)

Please note that there may be a specific version of the above for your year of entry.

Additional costs of the programme

During your programme of study, you may incur some additional costs.

For textbooks and similar learning resources, we recommend that student's budget approximately RM500 a year. Some books may be available second-hand, which will reduce costs. A range of resources to support the 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 with a cost. 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 drawing kit which will cost in the range of RM20 to RM150.

There are a range of field trips included in the course which are usually provided at cost between RM20 to RM200 per trip. It would be sensible to budget for at least two of these trips per academic year.

Subject to your module choice, you may be required to purchase sundry materials (i.e., printing). Many students find it helpful to have their own personal computing facilities though there are central facilities available.

Costs are indicative and may vary according to optional modules chosen and are subject to inflation and other price fluctuations. Estimates were calculated in 2026.

Students may consider purchasing a laptop to help support their learning. Information on recommended device specifications can be found on the [DTS Student Hub](#).

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 - September Entry for students entering Part 1 in session 2027/28
10 June 2026

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