

Award of Degree

Awarded by
Heriot Watt University, Edinburgh, Scotland

Assessments

- Assignments + Written Examinations
- Assessed fully by Heriot Watt University
- Examination in Singapore in April & September yearly
- Invigilation by the British Council

Intakes

January, June, October

Mode

Part Time Face to Face Lectures
At evenings (2 to 3 times per week)

Delivery

Trent Global Education Group Pte Ltd

Duration

1 and half years

Graduation

In Singapore, Hong Kong or Edinburgh (Scotland)

Course Fee

\$10,500 (exclusice GST) Payment in 3 instalments

- 1st Payment 40%
- 2nd Payment 30%
- 3rd Payment 30%

Other fees:

- Registration and eligibility assessment: \$250 (non-refundable)
- HWU E-library, VLE, VPN, Examinations and assignments fees; Included
- **Commitment fee \$1,000 upon registration.** Once the application has been approved, it will be converted to the course fee, otherwise refundable.

Easy Payment Scheme

- Interest free instalments
- 100% Edu-Loan available

Entry requirements

- A relevant Degree with first or second class honours from any recognized University.
- Other equivalent qualification and relevant industries experience may also be acceptable.
- Mature and experienced adults working in relevant industries are considered on individual merits.

Participant Benefits

- Prestigious Qualification - Fully accredited by RICS and CIOB.
- Exposure & expert knowledge on critical aspects in construction project management. Your "MBA - equivalent" for an all-rounded project management professional.
- Networking



Royal Institution of
Chartered Surveyors
Fully Accredited



www.sbe.hw.ac.uk

MSc in Quantity Surveying

MSc in Construction Financial Management



Info on Trent Global Education Group Pte Ltd

Trent Global is case-trusted and is an Appointed Organisation approved by the Ministry of Education Singapore, and the University to offer External Degree Programmes. Trent Global is committed to leading its students to knowledge, skills and wisdom through industry-relevant courses, as well as quality education experiences and career network.

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Subject Background

The need for **Quantity Surveyors** and **Construction Financial Managers** is vital for the efficient management of construction projects. In realizing the demand of these professionals especially in Singapore and the regions, Heriot-Watt University, in partnership with the Royal Institution of Chartered Surveyors (RICS), authorized Trent Global Education group for the delivery of the prestigious programmes in Singapore.

The degree programmes delivered in Singapore via distributed learning mode are accredited by RICS. On successful completion of the MSc in Quantity Surveying or Construction Financial Management, graduates may then apply for RICS membership and on completion of the Assessment of Professional Competence (APC) will achieve full chartered status.

As the RICS University Partner, the School of the Built Environment at Heriot-Watt University is instrumental in meeting the education needs of such graduates by building on their previous education and experience to prepare them for the demands of this profession.

The course provides students with access to both a solid theoretical base and current and future approaches to practical quantity surveying practice. It is focussed on industrial relevance, ensuring that graduates of the course are quickly able to make a positive and effective contribution to the success of their working environment, and the development of their own professional careers.

Graduate Opportunities

As competition amongst those wishing to enter and develop a career in quantity surveying, an internationally recognised postgraduate qualification, such as the MSc from Heriot-Watt University, provides a quality benchmark for prospective employers and enhances career progression. International construction and quantity surveying practices recruit graduates directly from the course each year and graduates from the course develop careers across many sectors of industry and commerce.

Taught using principles that are applicable in many quantity surveying and financial management industrial sectors, the courses provide students with access to both a solid theoretical base and current and future approaches to practical quantity surveying practice. It is focussed on industrial relevance, ensuring that graduates of the course are quickly able to make a positive and effective contribution to the success of their working environment, and the development of their own professional careers.

MSc in Quantity Surveying

MSc in Construction Financial Management

MSc in Quantity Surveying

8 modules (lecture) in 3 semesters

- D39BB Business Management for Built Environment Professionals
- D39PO People & Organisational Management in the Built Environment
- D19CR Contracts and Procurement
- D19X5 Microeconomics of the Built Environment
- D19CV Value and Risk Management
- D19SC Construction Technology
- D19CY Construction Financial Management 1
- D19CZ Construction Financial Management 2
- + One 20,000 words work-base Dissertation

MSc in Construction Financial Management

8 modules (lecture) in 3 semesters

- D19SC Construction Technology
- D39PO People & Organisational Management in the built Environment
- D19CR Contracts and Procurement
- D19CY Construction Financial Management 1
- D19CZ Construction Financial Management 2
- D19X5 Microeconomics of the Built Environment

Optional Modules:

- D19CV Value and Risk Management, OR
- D19PT Project Management Theory & Practice

Optional Modules:

- D39BB Business Management for Built Environment Professionals, OR
- D19PS Project Management Strategic Issues
- + One 20,000 words work-base Dissertation

MSc Course Synopsis

1) Construction Technology [D19SC]

- appreciate and understand the complexity of construction technology in modern buildings
- to develop an understanding of how the design and construction of modern buildings relate to other design influences such as energy conservation, lighting, economics etc.
- develop skills in analysing the technical design & construction of buildings by reference to case studies
- investigating and analysing product information
- case study investigations

2) People & Organisational Management in the Built Environment [D39PO]

- To develop a high level of knowledge about complex management theories and issues and their effect on people working in organisations, including managing change
- To understand the multi-faceted relationships between organisational management goals and an individual's personal motivation and objectives
- To understand the importance of successful people and organisational management in helping to achieve the aims of built environment organizations and why this is often difficult to achieve in professional practice
- To understand the importance of equal opportunities and diversity in management processes

3) Contracts and Procurement [D19CR]

- The forms of contract used in construction
- Standard procurement routes available
- How to select an appropriate procurement route
- The relationship between procurement route and standard forms of contract
- The management of time
- The management of dispute and claims

4) Construction Financial Management 1 [D19CY]

The student will be introduced to the role and responsibilities of individuals in the construction industry. The emphasis of this module will be to develop the students knowledge of cost and measurement techniques, the student will be familiarised with principals concerning Cost Control, Whole Life Costing and Measurement of buildings. The student will also develop the skills that will enable him or her to analyse and assess the feasibility of a construction project and understand the implications the design of a building has on the cost, identifying areas where cost savings can be made. Finally, students will learn a variety of techniques used to appraise a construction project in relation to pre and post contract cost control.

5) Construction Financial Management 2 [D19CZ]

- The student will be familiarised with principals concerning corporate strategies and financial management both at the construction company level and the construction project level. The student will also develop the skills that will enable him or her to analyse and assess the performance of construction companies and understand their financial accounts. Finally, students will learn a variety of techniques used to appraise investment schemes such as property and construction Plant and provide information for decisions such level of prices, optimum age, etc.
- The students should gain an ability to financially appraise and evaluate alternative schemes and strategies; analyse and assess the performance of an organisation; and set and control organisational or project targets.

6) Microeconomics of the Built Environment [D19X5]

The learner will be able to:

- Develop an in-depth understanding of micro-economic theories.
- Understand the factors that drive property price movements, and apply this understanding in the critically analyse of specific property markets.
- Examine land and property as a set of linked markets, functionally divided between use, investment and development.
- Identify and apply (at an advanced level) appropriate techniques for the evaluation of economic behaviour in land and property markets.

7) Value and Risk Management [D19CV]

- A practical understanding of the value and risk management of the strategic and tactical development of a construction project.
- Gain a practical appreciation of value & risk management techniques used at the technical development stage of the design
- Understanding of the practice of value management with the UK practice of cost management
- Understand the development of a PPP brief, including a practical appreciation of value & risk management techniques used at this stage.
- Be able to analyse a clients requirements and articulate them in clear unambiguous terms.
- Develop capacity for creative and lateral thinking through VRM study approaches
- Develop an understanding of group dynamics, chairmanship and facilitation

8) Project Management Theory & Practice [D19PT]

- Use the relevant construction project management practice standards and bodies of knowledge as detailed in the BS6079, ISO 140001, RICS, CIOB, APM and PMI BoK, to determine appropriate PM services
- Understand client and other construction project stakeholders needs & their translation into project success criteria
- Understand the key concepts involved in setting up construction project organisational structures so as to promote effective communications between construction project participants
- Develop an understanding of the applicability of tools and techniques used to manage the process of project production and control within the key project constraints of time, cost and quality
- Develop a knowledge of TQM approaches to construction project management & related health and safety
- Develop an ability to work in teams and an understanding of leadership on the processes involved in the production of the built environment.

9) Business Management for Built Environment Professionals [D39BB]

The learner will be able to:

- Develop knowledge of strategic management concepts and their impact on the management of a business, current good practice techniques and their practical application in built environment organizations.
- Understand the importance of successful business management in helping to achieve the aims of built environment organizations.
- Develop skills in critical analysis of theory and practice in business management.
- explicitly develop good inter-personal and problem solving skills, understand the importance of management competencies in continuous professional development
- Reflect on individual strengths and identify specific areas for development.

10) Project Management Strategic Issues [D19PS]

- Use the relevant construction project management practice standards and bodies of knowledge as detailed in the BS6079, ISO 140001, RICS, CIOB, APM and PMI BoK, to determine appropriate PM services
- Understand client and other construction project stakeholders needs & their translation into project success criteria
- Understand the key concepts involved in setting up construction project organisational structures so as to promote effective communications between construction project participants
- Develop an understanding of the applicability of tools and techniques used to manage the process of project production and control within the key project constraints of time, cost and quality
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11) Dissertation

The learner will be able to demonstrate:

- collect and synthesis material from a range of sources to gain a coherent understanding of theory and practices in a subject of their own choice.
- design, use and analyse various research techniques including the formulation and testing of hypothesis.
- develop and present logical arguments based on the evaluation and interpretation of evidence the specialist subject.
- develop higher analytical skills.
- demonstrate the ability to work and learn independently.
- assemble data from a variety of sources.
- appreciate the importance of quality research, and the need for ethical conduct.

