

Trent Global has successfully delivered quality tertiary programmes in the built environment; and its strengths are developed as a result of establishing a strong working relationship with Heriot-Watt University, Edinburgh, and the Singapore Institute of Building.

Today, Trent Global also conducts business programmes at bachelor's degree level from distinguished foreign universities and institutions of higher learning.

As a registered Private Education Institute with the Council of Private Education in Singapore, 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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HERIOT-WATT UNIVERSITY, EDINBURGH, UK

Heriot-Watt is one of Scotland's foremost universities and is the 8th oldest higher institution in UK. It was founded originally as the world's first Mechanics Institution providing education for the skilled people who became pioneers of the Industrial Revolution. The name 'Heriot-Watt' commemorates George Heriot – the renowned 16th century jeweller and financier to James VI (later known as James 1 of England) and James Watt – the great 18th century inventor and engineer.

Heriot-Watt is internationally famous as a research-based technological university dedicated to high-quality education and training.

Heriot-Watt University is ranked Top 20 University in Business & Management Studies AND Top 22 in UK's universities.

Some Star Rating

- ✓ Among the top 10 university in UK for graduate employment.
- ✓ Rated excellent, commendable or highly satisfactory in the vast majority of subject areas by the UK Quality Assurance Agency.
- ✓ Rated Top in Scotland for research in Built Environment.
- ✓ The vast majority of research activities have been assessed at international levels of excellence.

The School of the Built Environment at Heriot-Watt University is a multi-disciplinary centre for research and teaching in a wide variety of subjects that all influence our built environment. We have four disciplines areas that make up the School:

1. Architectural Engineering,
2. Civil and Structural Engineering,
3. Construction Management & Surveying; and
4. Urban Studies.

We have an experienced and well regarded body of academic staff that specialise in a variety of areas of research expertise including drainage, urban design and regeneration, flood management, building conservation and sustainable building techniques. The standard and quality of our graduates has led us to achieve a highly successful track record of graduate employment and our unique blend of theoretical knowledge and practical application of skills make our students well prepared for their future careers. Our graduates success and our extensive links with industry help to ensure that they go onto rewarding futures where they are well prepared for the challenges that will face them.

The School of the Built Environment at Heriot-Watt is the leading research institute of its kind in Scotland, pioneering innovative education across all of its disciplines, with the aim of providing relevant expertise across a range of sustainable and economically viable activities. It offers a unique range of educational opportunities involved in the planning, design, construction and development of environment and infrastructure to prepare and enable graduates to make a lasting impact on the built environment.

The School has sustained a high reputation for the international standing of its research in the built environment for two decades. In the Research Assessment Exercise 2008, over 90% of its work was assessed as internationally recognised or better, with 60% in the highest grades (3* and 4*), building upon grade 5 achieved in both 1996 and 2001. In terms of research power, measured as the product of research quality and the number of research active staff, it made the strongest single institution submission in Scotland, and seventh strongest in the UK, in 2008.

The School's research is at the forefront of the international research agenda in topics of relevance to sustaining and developing the built environment, cCurrent School research activities include groups concerned with Construction Technology & Materials; Construction Economics & Management; Drainage; Planning, Regeneration and Governance; Environmental Science; Environment & Human Settlements; Materials & Geomechanics; Property Economics & Finance; Structures; Housing and Urban Society; and Sustainable Water Management.

Heriot-Watt University

Undergraduate Degree Programme



ABOUT THIS COURSE

Trent Global College of Technology and Management in agreement with the prestigious Heriot-Watt University, UK: delivers the course material for students to work towards the BSc Building Surveying ordinary degree programme in Singapore.

What are Building Surveyors?

Building surveyors are involved in the design, construction and maintenance of buildings. They offer advice on **building** maintenance, adaptation, refurbishment and conservation to owners/users of new and historical structures. A sound knowledge of construction, material properties, structures and construction contract practice is required to fulfil this role.

The variability of the type of properties the Building Surveyor can be investigating, advising on or building is immense and makes the job extremely interesting and rewarding. From historic listed buildings, constructed using traditional materials and techniques to modern innovative structures that use new materials; both require maintenance regimes to prevent accelerated building deterioration. The scope of work undertaken by Building Surveyors ensures variety of work with potentially everyday being different.

The Course:

This course aims to equip students with the relevant skills, knowledge and understanding of how buildings are constructed, adapted, repaired, refurbished and maintained. It also aims to ensure that students have a thorough understanding of the construction industry in general, surveying, environmental science and building pathology.

This is designed especially for those working as M&E Managers, M&E Engineers, and Building Maintenance professionals.

A Building Surveyor is able to:

- Provide structural, material and construction advice for existing and new buildings, from inception, during construction and once completed and in use.
- Undertake property surveys which demonstrate a sound knowledge of construction technology, material science and building pathology.
- Provide advice on property maintenance to ensure buildings remain an asset and provide functionality in every changing environmental surroundings.
- Act as consultants and/or negotiators in providing strategic property advice regarding property portfolio investment, planning, building control legislation and the building regulations governing the construction industry.
- Work collaboratively with a team of professionals to bring a building project to completion within competing time, cost, quality and environmental criteria.

Skills required:

- To assess problems using a practical and enquiring mind.
- A methodical approach to projects and an ability to evaluate issues in a logical manner.
- Team working.
- Understanding complex and competing project requirements.
- IT capability.
- Communicating with and organising people.
- Good understanding of construction technology, materials science, contract and procurement

On graduating from this course you will be able to:

- Convey knowledge and understanding of buildings and apply specialist skills within scientific, technical and business areas of building pathology, consistent with the training requirements of chartered building surveyors.
- Draw upon a sound foundation of knowledge and understanding of the practice and procedure of surveying buildings and the construction industry.
- Demonstrate sophisticated intellectual and research skills proficient for a professional career.
- Apply a range of transferable skills including essay and report writing skills but with particular emphasis on information technology, communication and team working in the pursuit of a variety of tasks and problems.
- Evaluate complex problems and formulate original ideas and proposals relevant to the built environment.
- Appreciate the values, ethics, responsibilities and rules governing professional building surveying, and the need for professional integrity when advising client.

PROGRAMME KEY FEATURES

- Excellent career and further study prospects
- International recognised qualification
- Industrial relevant, integrated and flexible programmes of study

LEARNING RESOURCE

The up-to-date and comprehensive learning materials provided to students are developed by a team of experts and subject specialists from Heriot-Watt University.

To complement the Heriot-Watt's learning materials, and to enhance the learning process, supplementary literature and notes are provided by Trent Global.

MODE OF DELIVERY

The programme offers an effective combination of a Superior Distance Learning Package with comprehensive teaching and support system. The course is offered both full and part-time mode.

EXAMINATIONS

All assessments are written and marked by Heriot-Watt University staff.

Examinations are held thrice times a year in April, August and December.

All students take the same exam papers as the on campus students in Edinburgh, UK.

PROGRAMME STRUCTURE

1. Safety Management
2. Building Pathology & Inspection
3. Building Refurbishment & Maintenance
4. Construction Practice and Decision Making
5. Procurement and Contract
6. Construction Technology 2
7. Collaborative 2
8. Collaborative 3

ENTRY REQUIREMENTS

- A relevant Diploma (Civil Engineering, Building, QS, etc) from any recognised college and University.
- Other equivalent qualifications and relevant industries experience may be considered.
- All applications are approved and authorised by Heriot-Watt University.

YEARLY INTAKE

Three (3) intakes per year: January, May, September

PARTICIPANTS BENEFITS

- International recognised, Association of Commonwealth Universities.
- **Recognised by BCA** as a relevant degree for General Builder GB Class 1 Technical Controller.

PROGRAMME FEE (PART-TIME)

*S\$12,900 and payment in three (3) instalments:

First Payment	Second Payment	Third Payment
S\$4,300	S\$4,300	S\$4,300

OTHER FEES

- *S\$250 (non-refundable) Registration and eligibility assessment.
- Programme fee includes HWU E-library, VLE, VPN, examinations and assessments.

*Fees payable are subject to prevailing GST. Fees are correct at time of print. Fees may change without notice.

