FutureMade is to look to the future, strive for better, aim for higher, make history. A future that mirrors our pioneering roots in 1821, the year we founded the world’s first Mechanics Institute. By choosing to study at Heriot-Watt today you will become part of a community working across boundaries and cultures. Collaborating with international business and industry to tackle the global challenges faced by the world we live in. Heriot-Watt undergraduates are highly employable and sought after by the best organisations worldwide.

Be FutureMade hw.ac.uk/Malaysia
LOOK TO THE FUTURE.
STRIVE FOR BETTER.
AIM FOR HIGHER.
MAKE HISTORY.
BE AMBITIOUS.
BE BOLD.
Heriot-Watt University is aware of the challenges the youth of today face in terms of maintaining a healthy mindset, managing stress as well as developing meaningful social relationships in a landscape that has also become increasingly digitised. The university is no stranger to pioneering the global educational landscape with world-class programmes enhanced with a unique Positive Education approach.

With Positive Education, focus is also directed at the development of students’ emotional intelligence as they are taught coping strategies in managing their time effectively, cultivating a positive mindset, and developing self-confidence, interpersonal and communication skills and a sense of purpose.

At Heriot-Watt University Malaysia, we empower our students to be successful in their studies in terms of guidance and teaching methodology, in an environment engineered to facilitate their holistic growth from the Foundation level right up through their Undergraduate degree.
Transforming our Youth

Realising the important role our youths play today, Heriot-Watt has developed specific programmes both in online and offline modes that are designed to support every student to realise their full potential.

Fit-For-Future

Adapting to the current environment which prohibits large gatherings, our Fit-For-Future programme applies the same techniques and content from our Youth Transformation Programme. Utilising our digital foundation platform, students are encouraged to engage in a positive transformation by focusing on developing their emotional intelligence, creativity, understanding their own personalities, their strengths and weaknesses, and developing a long-term vision and mission. This is done by setting realistic SMART goals through engaging and interesting activities. Using a proven emotional intelligence framework, and engaging activities focusing on expressing positive emotions such as empathy and gratitude, students are taught self-awareness, self-management, social awareness and relationship management.

On completion of the programme, students will develop a strong sense of self-confidence, ability to express their emotions in a positive way, and be able to relate comfortably to their peers and better manage their relationship with friends and family, providing a smooth transition and preparing them for the challenges of University studies.

The programme is open to students who have achieved a minimum of 5C’s in relevant subjects in SPM, IGCSE or equivalent. The programme objectives are:

- Apply the techniques for a successful mindset.
- Identify your strengths, passion and potential
- Describe the four domains of emotional intelligence
- Develop and set realistic SMART Goals.
- Understand team dynamics and what makes a successful team.

The following are some of the sessions under the programme:

- The Successful Mindset
- Rewiring Your Brain
- Emotional Intelligence
- Knowing Yourself
- Setting SMART Goals
- Building Social Capital
- Team Dynamics
- Career Planning
- Project Showcase

Note: Our Youth Transformation Programme (YTP) will be suspended for the time being.
EmPOWER Programme

4-level Structured Programme Anchored by 6 Developmental Domains

**LEVELS**

**Watt** (Knowing and Leading Self)
- Compulsory for Year 1 students
- Focus on developing self-awareness, mental resilience, positive mindset and communication skills
- Discover purpose through Impact Statement

**Kilowatt** (Leading Teams)
- Develop leadership and people skills
- Lead projects, events and extra-curricular activities on campus

**Megawatt** (Leading Communities)
- Aim to make a positive impact on communities
- Create awareness towards global challenges and volunteer for a cause
- Enhance social and economic capital

**Gigawatt** (Leading Enterprise)
- Aim to create jobs and raise funds through social entrepreneurial ventures
- Create global impact

**FEATURES**

**Watt**
- Defining impact (Statement)
- Leadership style
- Awareness
- Self-awareness
- Management
- Active & healthy lifestyle
- Effective communication
- Time management
- Gratitude
- Divergent thinking
- Facilitating discovery
- Opportunity finding
- Brainology
- Thinking biases
- Brain neurology
- Reframing & positive framing
- Preparing CV
- LinkedIn profile
- Career planning
- Career fair
- Prof. dev. plan

**Kilowatt**
- Influencing through impact
- Awareness of the global challenges
- Social awareness
- Relationship management
- Return on failure
- Effective collaboration
- Lean startup
- Creating products, processes & services
- Evaluating claims
- Analysing inferences
- Business etiquette
- Applying knowledge in industrial contexts

**Megawatt**
- Widening impact
- Resolving ethical challenges
- Leading at the happiness project
- Negotiation, mediation & persuasion
- Financial literacy
- Appreciating market & customers
- Raising funds
- Weighing decisions
- Analysing challenges
- Global industrial placement (work global)
- Creating opportunities for industrial networking
- Integrating commercial and industrial context to address community needs

**Gigawatt**
- Global impact
- System thinking
- Supporting those under their care emotionally
- Lifelong learning
- Running an enterprise
- Blue ocean strategy
- Assessing risk
- Impacting industrial practice
- Creating jobs
**Student Testimonials**

**BEng (HONS) MECHANICAL ENGINEERING**

MOHAMED SYAFIQ BIN SALLEH

“The EmPOWER Programme made me realise that NO GOAL is worth missing out on! The programme has taught me to look inward, understand myself and analyse what is important to me. It has enabled me to understand new perspectives of my surroundings and the world.”

**BEng (HONS) CIVIL ENGINEERING**

VALENTINA NICSON

“The community service component of this course helped bring our Impact Statement to life. It helped to boost life skills such as leadership, teamwork and communication through how we form our group, propose an event and negotiate and manage conflict among the group members. I personally vouch for the EmPOWER Programme and would highly recommend this course to continuously EmPOWER our Heriot-Watt community.”

**BSc (HONS) ACTUARIAL SCIENCE**

ARISSA NOORDINA BAHARI BT MOHD AMIR SHAHRIL BAHARI

“The EmPOWER Programme, specifically the module on Impact Statement, helped the students reflect on the past, the present and the future. In the present module, students had to come up with our Ikigai, a Japanese concept for our reason for being. Ikigai is the intersection between what you love, what you are good at, what you get paid for and what the world needs. Leave one out and life becomes unfulfilled.”

**Programme Structure**

- **Watt Level** is offered through a General Compulsory Course offered to Year 1 undergraduate students.
- Power talk sessions are conducted by internal or external speakers.
- Focus on how the brain works, growth mindset, emotional intelligence and character strengths self-assessment test.
- Guided to find life purpose and craft an Impact Statement.
- Personalised progression through the Kilowatt, Megawatt and Gigawatt levels.
- Accumulate 1000 EmPOWER points to complete each level and receive a Certificate of Completion.
- EmPOWER Record of Achievement is awarded after completion of programme.

**Employer Testimonials**

“Ainol Yaacob

Head of Country, BP Malaysia

I am delighted to see the EmPOWER Programme promoting global citizenship and a comprehensive set of 21st Century skills amongst the students of Heriot-Watt University Malaysia. The Programme will go a long way towards making them not only highly employable but also highly impactful citizens of the world.”

“Muhammad Azmi

CEO, Invest KL

The EmPOWER Programme is certainly a great initiative by Heriot-Watt University Malaysia to prepare graduates to be industry-ready. Students will be shaped to think about the greater purpose with focus on soft skills that are fundamental when joining the workforce. Employers are looking for that differentiating factor in today’s disruptive business environment. A structured programme such as this will be beneficial to increase students’ employability.”

“Sarah Deverall

Director Malaysia, British Council

I am delighted to see the EmPOWER Programme promoting global citizenship and a comprehensive set of 21st Century skills amongst the students of Heriot-Watt University Malaysia. The Programme will go a long way towards making them not only highly employable but also highly impactful citizens of the world.”

“EmPOWER Programme enables students to be in charge of charting their developmental needs and becoming intentional lifelong learners and will definitely make Heriot-Watt University graduates both highly employable and future-ready.”

“Ainol Yaacob

Head of Country, BP Malaysia

I am delighted to see the EmPOWER Programme promoting global citizenship and a comprehensive set of 21st Century skills amongst the students of Heriot-Watt University Malaysia. The Programme will go a long way towards making them not only highly employable but also highly impactful citizens of the world.”
At Heriot-Watt, you have the opportunity to enjoy a truly international experience. We are one of the world’s top universities for international student mix and you have the chance to become a global student by taking part in an Inter-Campus Transfer to our Scottish or Dubai campuses.

**Campus transfers are guaranteed** as long as your programme is available at the campus you are transferring to and you meet progression requirements.

**Tuition fee waiver** of Dubai or UK tuition fees when you transfer.

**Study for as little as one semester** at one of our global campuses.

**Study at our global campuses** until completion.

Heriot-Watt reserves the right to withdraw opportunities to participate in the Go Global programme, including Inter-Campus Transfers, at any time.
This Bachelor’s degree will prepare you for a career in the management of construction projects from inception to completion, including all stages of the design and construction process.

Much of the curriculum is concerned with the management and supervision of construction sites and the resource planning connected with large-scale projects. There is also a strong emphasis on construction technology as well as on courses that give students a background in valuation and procurement. There is strong demand for built environment professionals in construction sectors on a global scale; the profession of project management needs highly qualified graduates with specialist knowledge in their field as well as an awareness of the wider issues of construction project management.

This programme is accredited by the Royal Institution of Chartered Surveyors (RICS), and the Chartered Institute of Building (CIOB), as well as the Malaysian Qualifications Agency (MQA).

### YEAR 1
- Construction Technology 2
- Commercial Law
- Surveying and Monitoring in the Built and Natural Environment
- Cost Modelling and Measurement
- eConstruction
- Building Services Technology
- Principles of Property Valuation
- The Economy

### YEAR 2
- Safety Management and Site Establishment
- Construction Technology 3
- Procurement and Contract
- Design Cost Planning and Control
- Project Planning and Implementation
- Design Issues
- Design for Construction
- Business Management in the Built Environment

### YEAR 3
- Cost and Value Management
- Construction Information Management
- Design Project
- Dissertation
- Construction Project Management
- Innovation in Construction Practice
BEIng (HONS)/MEng CIVIL ENGINEERING

**BEIng:** KPT/JPS [N/526/4/0083] (FA5237) 11/24
**MEng:** KPT/JPS [R/526/4/0108] (FA6195) 08/27

**Intake:** September

The programme covers the main civil engineering disciplines of structures, geotechnics, water engineering and highway engineering, and provides students with the key skills and knowledge required to become chartered civil or structural engineers.

After graduation, students are equipped to work for engineering consultants, contractors or government at management level. The core curriculum includes instruction in all main subject areas, concentrating on analysis and materials behaviour, with increasing focus on design and management in the specialisation years. Throughout, there is an emphasis on the personal development of students within a professional environment.

This programme is accredited by the Malaysian Qualifications Agency (MQA). In addition to recognition in Malaysia, we seek accreditation by UK and international professional bodies in accordance with their standard procedures.

Our degrees are offered as three-year BEIng (Bachelor of Engineering) or four-year MEng (Master of Engineering) qualifications. This programme is fully accredited by the Joint Board of Moderators (JBM) from the UK, which represents The Institution of Civil Engineers, the Institution of Structural Engineers, the Chartered Institution of Highways and Transportation, and the Institute of Highway Engineers.

Our MEng programme is accredited and recognised by the Board of Engineers Malaysia (BEM).

For registration by the Board of Engineers Malaysia (BEM), the four-year undergraduate MEng programme plus a summer industrial placement are required.

**YEAR 1 BEIng and MEng**
- Analysis of Determinate Structures
- Hydraulics and Hydrology A
- Surveying and Monitoring in the Built and Natural Environment
- Mathematics for Engineers and Scientists 3
- Civil Engineering Materials
- Stress Analysis and Element Strength
- Design Studies A - Problem Solving
- Statistics for Science

**YEAR 2 BEIng and MEng**
- Indeterminate Structures
- Geology and Soil Properties
- Design of Steel Elements
- Transport Design, Infrastructure and Society
- Hydraulics and Hydrology B
- Geotechnics A - Intro to Soil Mechanics
- Design of Concrete Elements
- Environmental Engineering A

**YEAR 3 BEIng and MEng**
- Geotechnics B - Soil Strength
- Civil Engineering Design Project
- Foundation Engineering

Plus 5 optional courses related to structural engineering, transportation engineering and water engineering.

**YEAR 4 (MEng only)**
- Civil Engineering Professional Design Project

Plus 4 optional courses related to structural engineering, water engineering and project management.

**MEng CIVIL ENGINEERING**

BEIng students who meet the progression requirements for the MEng programme may transfer programmes at the end of Year 2.
BSc (HONS) QUANTITY SURVEYING
KPT/PS [0326/6]05/06 (FA4369) 06/24

Intake: January and September

Our Quantity Surveying discipline is internationally recognised for the quality of its research and teaching and is Scotland’s top rated construction management department. Our degree programmes equip graduates with the knowledge and experience necessary to ensure that built environment projects are sustainable, cost efficient and constructed to the highest standards.

Quantity surveying is about providing clients of the construction industry with financial, contractual and technical advice, and ensuring they get value for money from the buildings they construct. The modern quantity surveyor is a construction professional who may be involved in all stages of the design and construction process, from providing business strategy advice, working with architects and design team consultants through to overseeing the onsite construction phase. The quantity surveyor has a sound understanding of construction technology, project cost planning and control and contractual issues.

This programme is accredited by the Royal Institution of Chartered Surveyors (RICS), Chartered Institution of Civil Engineering Surveyors (ICES) and Board of Quantity Surveyors Malaysia (BQSM), as well as the Malaysian Qualifications Agency (MQA).

YEAR 1
• Construction Technology 2
• Commercial Law
• Surveying and Monitoring in the Built and Natural Environment
• Cost Modelling and Measurement
• eConstruction
• Building Services Technology
• Principles of Property Valuation
• The Economy

YEAR 2
• Safety Management and Site Establishment
• Construction Technology 3
• Procurement and Contract
• Design Cost Planning and Control
• Measurement and Cost Evaluation
• Design Issues
• Design for Construction
• Business Management in the Built Environment

YEAR 3
• Cost and Value Management
• QS Practice
• Design Project
• Dissertation
• Construction Information Management
• Innovation in Construction Practice

Students take a total of eight courses per year including core, optional and elective courses/projects.
Lew Kai Shen’s Story

What I enjoy the most at Heriot-Watt is the way class is conducted. The practical session of the course allows me to gain real-world experience for the future. I think that this is very important, as what one may learn from a book may not be comprehensive enough for us to fully understand a concept.”

Lew Kai Shen
BSc (Hons) Quantity Surveying student
Former School: SMK Bandar Utama Damansara (3)
Your Study Pathway

Choose the Go Global Route

Go Global Route

Complete Year 1 in Malaysia

Transfer to the UK Campus for Year 2

Complete Year 3 and Graduate in Malaysia

Complete Year 1 in Malaysia

Complete Year 2 in Malaysia

Complete Year 3 and Graduate in the UK

* Only possible for programmes available in both Malaysia and UK campuses

Or Choose to Study in Malaysia or Transfer Directly to the UK

Study in Malaysia

Study in the UK

Study in Malaysia

Study in the UK

Foundation in Science/Business

Foundation in Science

Foundation in Business

Entering directly to our Undergraduate programme

Entering via our Foundation programme

1 + 2

Direct Entry to Year 3, UK

0 + 3

Direct Entry to Year 2, UK

0 + 3

Direct Entry to Year 2, UK

1 + 2

Direct Entry to Year 3, UK

- Quantity Surveying
- Construction Project Management
- Civil Engineering
- Civil Engineering with International Studies
- Structural Engineering
- Structural Engineering with Architectural Design
- Structural Engineering with International Studies
- Civil Engineering
- Construction Management
- Construction Project Management
- Quantity Surveying
- Construction Project Management
- Civil Engineering
- Civil Engineering with International Studies
- Structural Engineering
- Structural Engineering with Architectural Design
- Structural Engineering with International Studies
- Quantity Surveying
- Construction Project Management
- Civil Engineering
- Civil Engineering with International Studies
- Structural Engineering
- Structural Engineering with Architectural Design
- Structural Engineering with International Studies
- Quantity Surveying

Malaysia and UK Equivalency

<table>
<thead>
<tr>
<th>Malaysia and UK Equivalency</th>
<th>Year 1, UK</th>
<th>Year 2, UK</th>
<th>Year 3, UK</th>
<th>Year 4, UK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Malaysia Foundation Programme</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Year 1, Malaysia Campus</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Year 2, Malaysia Campus</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Year 3, Malaysia Campus</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Entry to the UK campus is contingent upon agreed progression rules and entry requirements that are set by the UK campus. Please check with the Registry when you are making plans to do your transfer.

12 | 13
## Summary of Entry Requirements

### Foundation Intakes: April, July and September

<table>
<thead>
<tr>
<th>Programme Name</th>
<th>Qualification</th>
<th>Subject Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundation in Science</td>
<td>SPM/IGCSE 5Cs</td>
<td>English, Mathematics, Additional Mathematics, Physics and Chemistry</td>
</tr>
<tr>
<td>Foundation in Business</td>
<td>SPM/IGCSE 5Cs</td>
<td>English and Mathematics and other relevant subjects</td>
</tr>
<tr>
<td>Foundation in Business Actuarial Science and Statistical Data Science route (select from Accounting or Computing options)</td>
<td>SPM/IGCSE 5Cs</td>
<td>English, Mathematics, Additional Mathematics and other relevant subjects</td>
</tr>
<tr>
<td>Foundation in Business (Psychology Route)</td>
<td>SPM/IGCSE 5Cs</td>
<td>English, Science, Mathematics and other relevant subjects</td>
</tr>
</tbody>
</table>

Progression to your chosen undergraduate programme may require pre-requisite subjects with specific grades at the SPM/IGCSE/Equivalent levels in addition to your Foundation results.

### Undergraduate Programmes

<table>
<thead>
<tr>
<th>Programme Name</th>
<th>Qualification</th>
<th>WACE/SACE</th>
<th>CPU</th>
<th>Pre-requisite Subjects</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSc (Hons) Construction Project Management</td>
<td>BBC 26 points</td>
<td>15 points or less</td>
<td>ATAR 75</td>
<td>UEC: 5 subjects not less than B grade</td>
</tr>
<tr>
<td>BSc (Hons) Quantity Surveying</td>
<td>BBC 26 points</td>
<td>15 points or less</td>
<td>ATAR 75</td>
<td>Minimum C in Mathematics at SPM/IGCSE or equivalent. UEC: 5 subjects not less than B grade</td>
</tr>
<tr>
<td>BEng (Hons)/MEng Civil Engineering</td>
<td>BBC 26 points</td>
<td>15 points or less</td>
<td>ATAR 75</td>
<td>STPM/A-Level/or equivalent: B in Mathematics and Physics. UEC: A in Mathematics and Physics and 5 subjects not less than B grade. SMA 3: 8.0 in Mathematics and Physics. IB Diploma: Minimum 5 in SL Mathematics and Physics.</td>
</tr>
</tbody>
</table>

*CPU: based on six best relevant subjects including English (average score)

### ENGLISH LANGUAGE REQUIREMENTS

The following are the English language requirements for entry into our programmes.

<table>
<thead>
<tr>
<th>Qualification</th>
<th>Foundation</th>
<th>UG</th>
<th>UG - Actuarial</th>
</tr>
</thead>
<tbody>
<tr>
<td>IELTS</td>
<td>5.5</td>
<td>6</td>
<td>6.5</td>
</tr>
<tr>
<td>Cambridge</td>
<td>FCE Grade C</td>
<td>FCE Grade B</td>
<td>FCE Grade A</td>
</tr>
<tr>
<td>Pearson PTE Academic</td>
<td>51</td>
<td>57</td>
<td>60</td>
</tr>
<tr>
<td>MUET</td>
<td>-</td>
<td>Band 4</td>
<td>Band 5</td>
</tr>
<tr>
<td>SPM</td>
<td>C</td>
<td>B+</td>
<td>A</td>
</tr>
<tr>
<td>1119 GCSE-Q</td>
<td>C</td>
<td>B</td>
<td>A</td>
</tr>
<tr>
<td>GCSE/IGCSE</td>
<td>C</td>
<td>B</td>
<td>A</td>
</tr>
<tr>
<td>UEC</td>
<td>B4</td>
<td>B3</td>
<td>A2</td>
</tr>
<tr>
<td>TOEFL iBT</td>
<td>70</td>
<td>80</td>
<td>90</td>
</tr>
</tbody>
</table>

In order to study effectively at Heriot-Watt, you need excellent English language skills. For those who need assistance and do not meet the English entry requirements above, Heriot-Watt University Malaysia provides a Pre-Sessional English Programme (PSEP). Find out more about our PSEP on our website: hw.edu.my/english

If your country’s qualification is not listed, or you have any questions, contact our Recruitment and Administrations Office: MYadmissions@hw.ac.uk
Apply Online

You can apply online for our programmes at bit.ly/HWUMApply. You must create an account to use the online application form. You don’t have to complete the application in one session; you can save the information you have already entered and return to complete it at a later date. There is a help facility on each page of the online form.

Supporting Documents

Please remember to upload supporting documents so that we can make a decision on your application. This includes proof of English language proficiency and original or certified copies of academic transcripts.

Please refer to the supplemental item checklist on the Online Application form: http://bit.ly/hwumaccount

See website for details of fees: www.hw.edu.my/fees

Response to Your Application

All applications will be carefully considered by our admissions team and one of the following three responses will be given:

Unconditional Offer: meaning that you have been accepted to the academic programme. You must accept the offer within two weeks of receipt.

Conditional Offer: meaning that you will be required to submit additional supporting documents or achieve further qualifications prior to acceptance to the programme.

Rejection: meaning that your application regretfully could not be accepted at this time.

We will reply to you by e-mail. Please ensure that you provide us with the correct e-mail address.

Payment Reference

Name of Student
Mobile Number

Payable To
Heriot-Watt University Malaysia
SENBHD

Account Number
5140-1102-2817

Bank Name
Malayan Banking Berhad (Maybank)

Bank Address
Floor 8, Menara Maybank, 100 Jalan Tun Perak, 50050 Kuala Lumpur, Malaysia

Swift Code
MBBEMYKL

E-mail Address
MYadmissions@hw.ac.uk

Disclaimer of Liability

Heriot-Watt University will make all reasonable efforts to deliver the programmes described in this brochure. Prospective students should be aware that it is occasionally necessary to modify, discontinue or combine programmes and/or make changes to entry requirements. This may be necessary for a number of reasons such as low enrolments, illness or departure of staff, industrial action or reduction of funding. Changes will only be made if the University reasonably considers it to be necessary.

If a programme is discontinued, the University will use reasonable endeavours to provide a suitable alternative and will take all reasonable steps to minimise disruption, or allow a student to withdraw without penalty if a programme is cancelled or significantly varied, with an appropriate refund of tuition fees and deposits.

Heriot-Watt University is a registered Trademark. The logo is a trademark of the University. Neither can be used unless prior written permission has been obtained. All information is correct at the time of going to print.

Heriot-Watt University is a Charity registered in Scotland, SC000278 © Heriot-Watt University, January 2020. All rights reserved.

As of Dec 2020