

BE FUTURE**MADE**

Future Made 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.

WE DEVELOP RESILIENT GRADUATES

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.

Youth Transformation Programme (YTP)

Specially created for post-secondary school students, the Youth Transformation Programme has been designed to support every student to realise their full potential.

Students are encouraged to engage in a positive transformation by focusing on developing their emotional intelligence and creativity, understanding their own personalities, 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 YTP, students will develop a strong sense of self-confidence and an 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, paving the way for a smooth transition to and preparing them for the challenges of University studies.

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

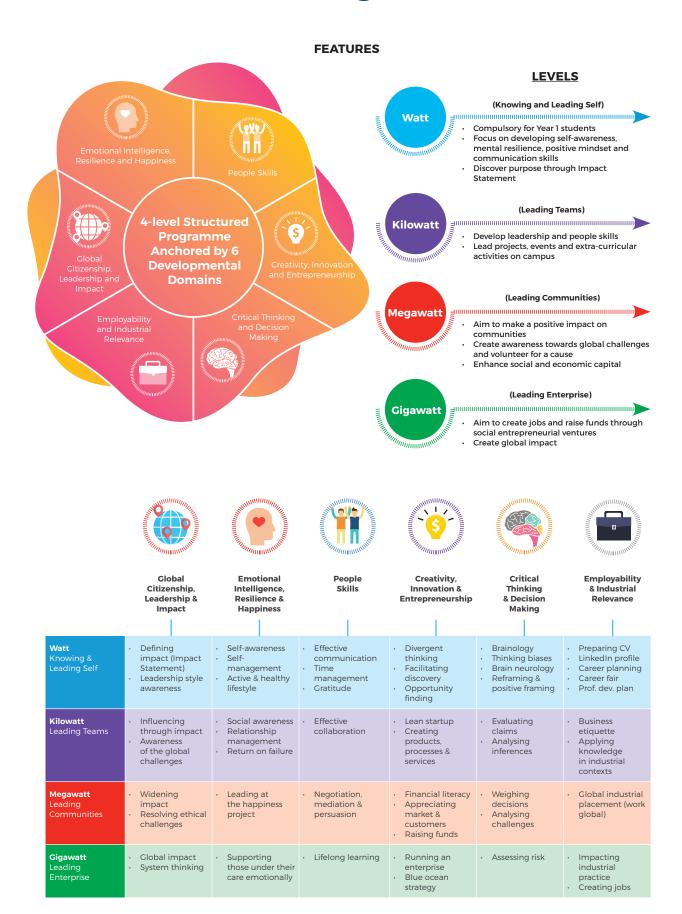
- · Develop your own Vision and Mission
- Collaborate effectively to accomplish a project
- $\cdot \quad \textbf{Identify your strengths, passion and potential} \\$
- Discover your study and career pathway

The following are some of the workshops under the YTP:

- The Successful Mindset
- · Ace It with Communication
- · Creativity and Innovation
- · Team Dynamics
- · Emotional Intelligence
- · Rewiring Your Brain
- · Knowing Me, Myself and I
- · Career Planning
- · Project Showcase



EmPOWER Programme



PROGRAMME STRUCTURE

Watt Level is offered through "MPU3422 Selfempowerment and Social and II" (Y1)

sessions are by internal or external speakers

the brain works growth mindset, intelligence strengths self-

Guided to find life purpose and craft an Impact Statement

Subsequent levels like Megawatt and Gigawatt are optional

Must gain 1000 EmPOWER Points before advancing to next level

Certificate and EmPOWER Achievement are awarded after programme

EMPLOYER TESTIMONIALS



The 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**





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.

MUHAMMAD AZMI **BIN ZULKIFLI** ACTING CEO, INVEST KL



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. SARAH DEVERALL

DIRECTOR MALAYSIA, BRITISH COUNCIL





STUDENT TESTIMONIALS



BEna (HONS) MECHANICAL ENGINEERING

MOHAMED SYAFIQ BIN SALLEH

"The EmPOWER Programme made me realise that NO GOAL is worth missing out on! The programme has encouraged 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."



BEna (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, had 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."

STUDY AND SEE 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 20%

Tuition fee waiver

off 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



About Our Programmes

BSc (HONS) ACTUARIAL SCIENCE

KPT/JPS (R/462/6/008) (FA4167) 06/24

Intake: September

Actuaries manage risk and uncertainty and evaluate the likely impact of future events. Heriot-Watt's Actuarial Science programme is world-famous for its excellence. It contains all the courses that are essential for ensuring a flying start to a career as an actuary whilst at the same time fostering highly transferable mathematical skills.

If you excel at mathematics, enjoy problem solving and are looking for a degree that will prepare you for a rewarding career - both intellectually and financially - Actuarial Science could be the programme for you.

This programme is one of the few in Malaysia which are fully accredited by the UK Institute and Faculty of Actuaries (IFoA). Good performance means exemptions from the Core Principles subjects (CSI, CS2, CMI, CM2, CB1, CB2), giving prospective actuaries an advantage over those in other mathematics-based programmes. The degree is also accredited by the Royal Statistical Society and by the Malaysian Qualifications Agency (MQA).





Vear 1

- · Probability and Statistics A & B
- · Linear Algebra
- · Actuarial and Financial Mathematics A & B
- · Multivariable Calculus and Real Analysis A & B

Optional and elective courses available for Year 1 include:

- · Finance and Financial Reporting
- · Operations Management

Vear 2

- · Life Insurance Mathematics A & B
- · Stochastic Processes
- Survival Models
- · Derivative Markets and Discrete-time Finance
- · Statistical Models A & B
- · Portfolio Theory & Asset Models

Year 3

Students typically take Introductory Economics, Continuous-time Finance, Risk Theory and Time Series Analysis, and can choose from a range of options such as Statistics for Social Science, Bayesian Inference and Computational Methods, Statistical Machine Learning and Optimisation.

BSc (HONS) STATISTICAL DATA SCIENCE

KPT/JPS (N/462/6/0014) (PA 8513) 06/22

Intake: September

The applications of statistical data science range from economics and medicine to social and environmental sciences. Our BSc in Statistical Data Science provides a blend of both theoretical and applied elements of modern statistics, and aims to give students the training in modelling, analysing and interpreting real data that is required in the economy, industry and research. The first year of the programme covers basic mathematics, probability and statistics. The final two years focus on specialist topics of statistical modelling and advanced courses in mathematics and data science. A variety of statistical computer packages are used.

Our programme is accredited by the Royal Statistical Society. It is possible for students who have completed the programme to apply for some exemptions from the Institute and Faculty of Actuaries (IFoA) professional examinations.



Year 1:

- · Multivariable Calculus and Real Analysis A & B
- · Linear Algebra
- · Actuarial and Financial Mathematics A & B
- Probability and Statistics A & B
- · Finance and Financial Reporting
- Operations Management (Elective)

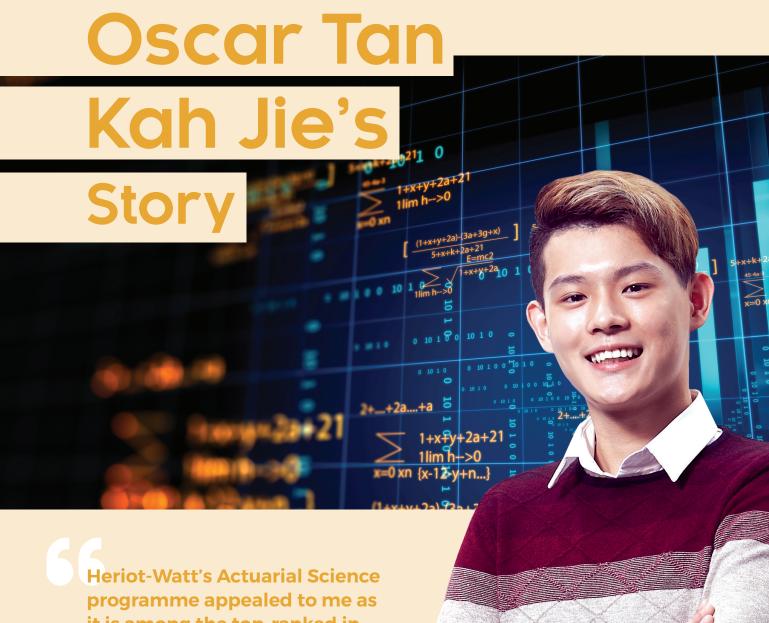
Year 2

- Stochastic Processes
- · Statistical Models A & B
- Statistics for Social Science
- · Portfolio Theory and Asset Models (Optional)
- · Human Resource Management (Elective)
- · Survival Models
- · Bayesian Inference & Computational Methods
- Derivative Markets and Discrete-time Finance (Optional)
- · Ordinary Differential Equations (Optional)

Vear 3

- Optimisation
- · Statistical Dissertation A & B
- · Statistical Machine Learning
- Continuous-Time Finance (Optional)
- Statistical Computing (Optional)
 Drainet Management (Florible)
- Project Management (Elective)
- Time Series AnalysisRisk Theory (Optional)
- · Statistics Special Topic (Optional)
- Risk Management: Techniques and Tools (Optional)

Future**Made** in **Actuarial Science**



Heriot-Watt's Actuarial Science programme appealed to me as it is among the top-ranked in the field. The course is designed so that the skills learned are directly transferrable to the workplace. The courses not only strengthen our theoretical knowledge, but also ensure that we are industry-ready."

Oscar Tan Kah Jie

BSc (Hons) Actuarial Science student and former Foundation in Business student Former School: SMJK Heng Ee

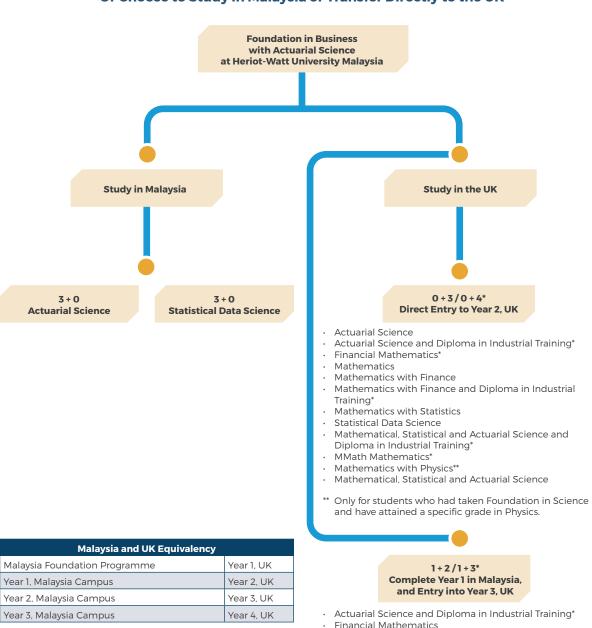
Your Study Pathway

Choose the Go Global Route



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

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



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.

- Financial Mathematics
- Actuarial Science
- Statistical Data Science
- Mathematical, Statistical and Actuarial Science

Summary of Entry Requirements

Foundation Intakes: April, July and September

| FOUNDATION PROGRAMME | | | | | | | | | | |
|-----------------------------------------------------|---------------|--------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|
| Programme Name | Qualification | | Subject | | | | | | | |
| | SPM/IGCSE | SMA 3 (Indo) | Requirement | | | | | | | |
| Foundation in Science | 5Cs | 6.0 | English, Mathematics, Additional Mathematics, Physics and Chemistry | | | | | | | |
| Foundation in Business | 5Cs | 6.0 | English and Mathematics and other relevant subjects | Progression to your chosen undergraduate programme may require pre-requisite subjects | | | | | | |
| Foundation in Business (Actuarial Science Route) | 5Cs | 6.0 | English, Mathematics, Additional Mathematics and other relevant subjects | with specific grades at the SPM/IGCSE/ Equivalent levels in addition to your Foundation results. | | | | | | |
| Foundation in Business (Psychology Route) | 5Cs | 6.0 | English, Science, Mathematics and other relevant subjects | | | | | | | |

| UNDERGRADUATE PROGRAMMES | | | | | | | | | | |
|------------------------------------------------------------------------|------------------|---------------|-------|-----|---------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| | Qualification | | | | | | | | | |
| Programme Name | STPM/ A-Level | IB Diploma | SMA 3 | UEC | WACE/ SACE | FiB/FiS | Pre-requisite Subjects | | | |
| BSc (Hons) Actuarial Science BSc (Hons) Statistical Data Science | АВВ | 28 points | 8 | 6A | ATAR 90** | ABBC | FIS: A in Mathematics, B in Physics and Chemistry, C in Academic Skills and Foundation English. FIB: A in Mathematics, B in Accounting and Finance and Business Management, C in Academic Skills and Foundation English. STPM/A-Level/equivalent: A in Mathematics. IB Diploma: Minimum 6 in HL Mathematics. UEC: A1 in Mathematics and Advanced Mathematics. WACE: Minimum 80% in Mathematics. SACE: Minimum 17.0 in Mathematics. | | | |

^{**} May be subject to school assessment

ENGLISH LANGUAGE REQUIREMENTS

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

| ENGLISH REQUIREMENTS | | | | | | | | | |
|----------------------|-------------|-------------|----------------|--|--|--|--|--|--|
| Qualification | Foundation | UG | UG - Actuarial | | | | | | |
| IELTS | 5.5 | 6 | 6.5 | | | | | | |
| Cambridge | FCE Grade C | FCE Grade B | FCE Grade A | | | | | | |
| Pearson PTE Academic | 51 | 57 | 60 | | | | | | |
| MUET | - | Band 4 | Band 5 | | | | | | |
| SPM | С | B+ | А | | | | | | |
| 1119 GCE-O | С | В | А | | | | | | |
| GCSE/IGCSE | С | В | А | | | | | | |
| UEC | B4 | B3 | A2 | | | | | | |
| TOEFL IBT | 70 | 80 | 90 | | | | | | |

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



Heriot-Watt University Malaysia accepts applications all year round.



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www.hw.edu.my

Open for consultation: Monday to Friday (9am - 5pm) and Saturday (10am - 4pm)

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No. 1, Jalan Venna P5/2, Precinct 5, 62200 Putrajaya





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.

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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:

See website for details of fees:

www.hw.edu.my/fee: