BE
FUTURE
MADE
IN MALAYSIA
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 graduates are highly employable and sought after by the best organisations worldwide.

For 200 years our education and innovative research has had a profound social impact on a world stage. A pioneer in bringing education to working people, Heriot-Watt was founded as the world’s first Mechanics Institute. In 2021, we celebrated our 200th Anniversary and that ethos continues to underpin the industry-informed education that gives our postgraduate students the drive to hit the ground running and be FutureMade in their career of choice.

Our focus across all our campus locations is to play a leading role in the global pandemic recovery. In particular, we are stepping up our industry collaborations and partnerships; focusing our research strengths and ‘in-demand’ skills in subjects ranging from Data Science, Healthcare Technologies, Cyber Security and Renewable Energy to Artificial Intelligence, Robotics, Business Management and Marketing. Our aim is to connect you to people and career opportunities across the world through our international campus locations and our 142,000 alumni in 190 countries.”
When you decide to pursue your postgraduate studies, you are committing to enhancing your future prospects. At Heriot-Watt University, you become part of a community of trailblazers and innovators who utilise knowledge to achieve positive impact.

Our postgraduate degrees will prepare you to be amongst those who will lead the recovery stage post-COVID-19, whilst also arming you with the necessary skills for success in the age of the Fourth Industrial Revolution. To ensure that you are fit for a rapidly evolving and highly disruptive future, we provide you with unique yet challenging opportunities to broaden your knowledge, sharpen your skills and hone your expertise towards becoming world-class professionals who will go on to make a great impact on the world.

I am confident that Heriot-Watt University is the right choice for you to realise your ambition.

I look forward to welcoming you personally into our global community.

Professor Mushtak Al-Atabi
Provost and CEO Malaysia Campus
2020/21 will be remembered as a period of unprecedented uncertainty as the world dealt with the COVID-19 pandemic. It will also be remembered as a time that truly demonstrated the global spirit of our communities across the world. From developing a global vaccine delivery mechanism, to making masks and scrubs for healthcare professionals and the NHS, our students, staff and alumni demonstrated an “in this together” attitude to help make a difference in the real world.

SAFEGUARDING TEAM WIN AWARDS FOR COVID-19 EFFORTS
The awards were for Major Incident Management and Contribution to the Higher Education Sector, made by The Higher Education Business Continuity Network. “It’s fantastic that our Safeguarding team have been recognised for their efforts, especially in these extreme times,” said Principal and Vice-Chancellor Richard A. Williams. “The team provide 24/7 support to the whole University community. Their professionalism, excellence of care and sector-leading achievements are underscored by these two prestigious external awards.”
YOUR FUTURE MADE THROUGH RESPONSIVE BLENDED LEARNING

Flexible ways to study is part of our DNA at Heriot-Watt

Starting your studies in either September 2022 or January 2023 is now an option for many of our programmes. Check out our website for more details.

As pioneers in flexible and online learning, we have a range of study options to suit your lifestyle wherever you are in the world.

From full-time, on-campus to online, together with our new model of Responsive Blended Learning (RBL), the choice of how to study can be yours. However you study, you will receive an inspiring experience – rooted in high quality provision which is the hallmark of a Heriot-Watt education.

We have excellent resources for remote study including the Virtual Learning Environment (VLE) where you can access everything you need for your particular programme. In addition to academic staff support, we have a dedicated Online Student Support Team who can guide you on your academic journey. The University library, careers team, and all other services are accessible to you.

CONNECTED WHEREVER YOU ARE

However you access your learning, you will join a genuinely connected community of learners and feel part of the University wherever you are. You can engage with our global learning community, and your course colleagues, both in real-time and at a time that suits you.

RESPONSIVE TO CHANGING CIRCUMSTANCES

Our Responsive Blended Learning (RBL) model has been introduced to ensure all new students can begin the academic year on schedule, wherever you may be in the world. RBL combines active, supported online learning with face-to-face learning opportunities, enabling you to learn alongside your peers, engage fully with your programme, and be guided and supported by your academic course team. With RBL you’ll receive an enhanced induction, and training to help you learn online, and a responsive solution to the learning journey you wish to pursue.

WATT OUR STUDENTS THINK

Read student reaction to returning to campus during Semester 1, September, 2020

“Lecturers and teaching staff are really dedicated to making the situation work for everyone. I feel very confident that RBL will have no negative impact on my overall learning experience.”
Returning UG, Edinburgh

“We all really appreciate the staff for putting in so much effort. It’s rocky for them too but I feel we’re doing good and there’s mutual care and support.”
Returning UG, Dubai

“I love that we can learn at our own pace, and there’s no need to commute, so learning feels super flexible. Recordings of lectures from different campuses are very helpful for solidifying my knowledge too and much appreciated.”
Returning UG, Malaysia
Heriot-Watt Online

Earn while you learn. Online programmes designed to accelerate your career.

Our 200 year history shaping tomorrow’s business and industry leaders has also seen us become a pioneer of online learning. Our graduates hit the ground running, are capable of rising to today’s global challenges and navigating disruption.

ONLINE DEGREES FOR A DIGITAL WORLD

Modern Postgraduate Business degrees - designed for current and future leaders as they rise to the challenges of a fast-paced digital environment.

For organisations to successfully tackle digital transformation, it’s vital that today’s workforce have the skills and confidence to make the right decisions. To meet these needs, we have an established and growing portfolio of online degree programmes.

NEW PROGRAMMES FOR 2021/2

MSc DIGITAL LEADERSHIP
Addressing the talent needs of the future, the MSc Digital Leadership has been designed to prepare you for leadership roles in digital transformation. It will provide you with a critical appreciation of the transformative potential of digital technologies in business and the opportunities and challenges associated with digital transformation in a variety of organisational contexts.

MSc BUSINESS ANALYTICS AND CONSULTANCY
Built by leading research academics including Honorary Professor Julian Randal, the MSc Business Analytics and Consultancy will prepare you for the fast evolving, increasingly data driven business environment. It will also equip you with the decision-making skills you need to develop and excel as an effective leader and manager of transformational change.

MSc LOGISTICS AND SUPPLY CHAIN MANAGEMENT
Taught by experienced industry professionals, this accredited degree will provide you with a chance to expand, refine and enhance your knowledge in the Logistics and Supply Chain Management subject area including big data business analytics, demand planning and forecasting, supply chain logistics strategy and more.

www.hw.ac.uk/online

FLEXIBLE DEGREES DESIGNED TO FIT AROUND YOUR COMMITMENTS
We know that every student’s life demands something different. You could be raising a family, have professional commitments, need to study in your home country – even all three. Whatever your situation, we’re committed to making a world-class education accessible, flexible and achievable.

GLOBAL LINKS WITH INDUSTRY
Our degree programmes are career-focused and relevant to the needs of business and industry. Many are accredited by professional bodies and have been developed with the assistance of industry.

ONLINE SUPPORT NETWORK
We’ll support you from day one right up to graduation and beyond into your career. That means receiving academic support from tutors via email, phone or Skype and having access to a full range of online resources and course materials taught by industry experts.
RESEARCH WITH IMPACT
Our research makes a real difference to people and the world we live in. From tackling climate change, to pushing the boundaries in artificial intelligence and the future of global business logistics, we are leading the way. That’s why we are 9th in the UK in the Research Impact rankings.

LEARNING THROUGH DOING
Our approach to learning is informed by our research strengths and aligned to the needs of industry and the professions. Our students get real exposure to the industries they want to work in – through hands-on practical learning in our labs, projects, internships and industry case studies – that’s why we are No. 1 in Scotland for graduate employability.

A TRULY GLOBAL PERSPECTIVE
Some universities claim to be global, but at Heriot-Watt we have both an international reputation and global campuses that provide opportunities like no other. Our perspective on the world and your future career path is truly global and can take you further than you could imagine.

A SPECIALIST IN THE SUBJECTS THAT MATTER
From science and engineering, to all paths of business, mathematics, computer science and design, we strive for academic excellence and real-world relevance in all our subject areas. We offer degree programmes that are valuable to you, potential future employers and society.

ONE HERIOT-WATT
Across our five academic schools, five global campuses, and our Edinburgh Business School, by choosing Heriot-Watt you will join a community of over 27,000 students and an alumni network of over 142,000, who stand shoulder to shoulder with our faculty of leaders in ideas and solutions.

Global campuses
A truly international university with five global campuses, partners in over 100 countries and around 27,000 students studying worldwide.

Our Facilities
We have excellent facilities, highly rated teaching and world-leading research activity, which together provide an exceptional learning and teaching experience. As part of a bright, committed and imaginative community of postgraduates you will have the opportunity to realise your potential by gaining the knowledge and skills you need to achieve your career aspirations.

Our Impact
A world-leading university with strong links to international business and industry, attracting leaders in ideas and solutions tackling real-world challenges.
Made Our Mark

We’re proud to be rated in the top 270 universities in the world. (QS World University Rankings 2022).

Heriot-Watt is valued for excellence in teaching and research. We are ranked 28th in the UK and 8th in Scotland for Overall Satisfaction (2021 UK National Student Survey) and in the top 10 in the UK and first in Scotland for research impact (REF 2014). We aim to find radical innovations and solutions to real-world challenges for the benefit of society.

Want to know more?
Visit: www.hw.ac.uk/rankings

No.1 PROVIDER IN THE UK OF GLOBAL POSTGRADUATE DEGREES
Our graduates are ready to make an impact all over the world.
(HESA 2020)

World-class research:
9th IN THE UK FOR IMPACT
with 82% of research ranked world-class
The Research Excellence Framework (REF) 2014

Top 10 IN THE UK FOR
Building, Chemical Engineering, Civil Engineering, Electrical and Electronic Engineering, General Engineering, Mathematics, Mechanical Engineering, Physics and Astronomy and Town and Country Planning.
Times/Sunday Times Good University Guide 2021

Chemistry, Civil and Mechanical Engineering
Guardian University League table 2020

Mathematics
Complete University Guide 2020
It was a privilege pursuing MSc Strategic Project Management with Heriot-Watt, being one of the most recognised and prestigious leading UK universities. I enjoyed the interaction and knowledge sharing amongst my classmates during the lectures and tutorial sessions. The endless support, guidance, and patience from the experienced lecturers in Heriot-Watt has certainly make this journey remarkable and enjoyable.”
UK’S FIRST NATIONAL ROBOTARIUM

“This is an important time in the evolution and application of this most disruptive and ground-breaking of technologies.”

PROFESSOR DAVID LANE
Inaugural Academic Director of the National Robotarium

Heriot-Watt is home to the UK’s first National Robotarium, delivering leading-edge research and support for business creation and growth, as well as data skills, new undergraduate and postgraduate programmes, and continuous professional development. The National Robotarium will be the UK’s leading innovation hub for the practical application of robotics and autonomous systems to drive economic growth and transform people’s lives worldwide.

The National Robotarium
is a joint partnership with the University of Edinburgh

UK’s leading innovation hub in robotics and autonomous systems

Heriot-Watt University | Malaysia Postgraduate Prospectus 2022
Why Malaysia

Making the most of both learning and leisure time is second nature to the aspiring Heriot-Watt University student studying at the Malaysia campus.

KUALA LUMPUR IS THE 2ND MOST AFFORDABLE STUDENT CITY IN WORLD.
QS BEST STUDENT CITIES 2018

INTERNATIONAL STUDENTS IN MALAYSIA.
A WARM WELCOME AWAITS YOU.

170,000
INTERNATIONAL STUDENTS IN MALAYSIA. A WARM WELCOME AWAITS YOU.

4,600 km
HOME TO SOME OF THE WORLD’S MOST IDYLLIC BEACHES AND ISLANDS. MALAYSIA HAS OVER 4,600KM OF COASTLINE WITH OVER 90 ISLANDS TO CHOOSE FROM.

MULTI-RACIAL MULTI-ETHNIC
DUBBED “MINI ASIA”, MALAYSIA IS A MULTI-RACIAL AND MULTI-ETHNIC COUNTRY WHERE THE MAJORITY ARE MALAYS, CHINESE AND INDIAN.
The campus is a state-of-the-art teaching and learning environment, reflecting our status as a leading provider of high-quality, professionally orientated education, knowledge transfer and research.

Made in
Heriot-Watt Malaysia

Whether you are a Malaysian or are travelling from abroad our purpose-built campus in Putrajaya has something to offer for every aspiring graduate.

A FANTASTIC CENTRAL LOCATION
Heriot-Watt University Malaysia’s campus is based in the modern garden-city of Putrajaya just 25km south of Malaysia’s capital Kuala Lumpur. Putrajaya is a growing, dynamic city and its proximity allows easy access to the extensive cultural, leisure and retail amenities of the buzzing metropolis.

MALAYSIA’S FIRST GREEN CAMPUS
Heriot-Watt University Malaysia’s purpose-built campus opened to students in Putrajaya in September 2014, and the formal launch took place on 12 February 2015. The £35m campus sits on 4.8 acres in a stunning lakeside location providing exceptional educational facilities in an excellent environment, close to the Putrajaya marina and its modern leisure and sports facilities. This is a fantastic green area, part of Putrajaya Lake’s “green continuum”, of which building design is a conscious reference.

A GREEN ROOF TO MATCH
The “green campus” is remarkable for having the first living grass roof of its kind in Malaysia. At 300 metres long and 30 metres wide, it is the most recognisably sustainable feature of the campus. The roof shades the naturally ventilated spaces below, reduces thermal transmittance, and acts as an observation deck, accessible by glass lift. Other environmentally friendly, passive design features include campus lighting “powered” by the maximum use of natural daylight, a rainwater harvesting system and optimised air-conditioning and thermal control systems. [www.hw.ac.uk/malaysia]
Our mission is to create tomorrow’s leaders for tomorrow’s markets and we specialise in industry-focused business degree programmes which embrace a truly international outlook. Studying with us will kick-start your business career: we’ve an established reputation for producing high-calibre, career-ready graduates. Our alumni include FTSE100 CEOs, a Prime Minister, and entrepreneurs behind many successful start-up businesses, to name just a few.

Our work with industry ensures your learning will prepare you for the real world. You’ll be taught by experienced professionals, and globally-recognised academics, delivering course content that is cutting-edge and up-to-date.

Many of our programmes are delivered across Heriot-Watt’s campuses in Edinburgh, Dubai and Malaysia, offering you an exciting opportunity to transfer between our worldwide locations for one semester or more.

The University’s student community is highly international, made up from 158 different countries, so you will have many opportunities to meet and learn with people from all over the world. Coupled with our high quality degree programmes, this dynamic, inter-cultural experience will open your mind and expand your learning to ensure your career is FutureMade.

“When joining our School and Heriot-Watt University, you join a network of industry professionals, top academics and people driven to succeed. We are here to prepare you to enter competitive job markets, excel professionally or even start a new business.”

PROFESSOR HEATHER MCGREGOR
Executive Dean, Edinburgh Business School
Edinburgh
A festival city with an international outlook
www.hw.ac.uk/edinburgh

Galashiels
A world leading centre for creativity and design
www.hw.ac.uk/borders

Orkney
A ‘living laboratory’ supporting the global marine industry
www.hw.ac.uk/orkney

Made around the World

Be Future Made
www.hw.ac.uk/virtual-tours
With our roots in Scotland, our ambition and reach are truly international. A leader in transnational education, wherever we are, Heriot-Watt is a powerful driver and engine of the economy. Together with our alumni, civic community and industry partners, we transform people, society and the world we live in.

Our global campuses are situated in some of the world’s most inspiring locations. Each offers superb facilities, safe surroundings and an international welcome. We actively encourage you to push geographical boundaries through our opportunities to study abroad.
With the current uncertainties surrounding the COVID-19 pandemic, I found that RBL (Responsive Blended Learning) is an interesting learning style. Even though it is online, Heriot-Watt provides as much support as possible to allow students to experience the learning as if we were in face-to-face classes. The actions taken by the University were swift and smooth, enabling myself and my classmates to be able to continue our classes with minimal interruptions despite the uncertainties. It was inspirational to see the strong dedication and high commitment shown by the lecturers at Heriot-Watt. It has truly inspired me to challenge myself to be a greater practitioner.”
Ninety-four percent of postgraduate students are in work or further study 15 months after graduating.

We can help you to enjoy the same success. Employers actively seek out our graduates as our degrees are highly regarded for their relevance to the world of work. Many of our degrees are accredited by professional bodies. We have excellent links with business and industry, both in the UK and internationally. We help you meet some of the world’s top employers, who know the strengths our FutureMade graduates bring to the workplace. Each School has a dedicated careers consultant who collaborates with lecturers to integrate a programme of events into our degree programmes, designed to equip you with the skills you will need to plan and implement your career choice.

Each year we normally hold two University-wide recruitment fairs and seven industry-specific recruitment and networking events, giving you the chance to meet with graduate employers and find out about opportunities. Due to COVID-19, these were all successfully delivered online in 2020.

The situation remains under review in light of the COVID-19 pandemic restrictions. Check our website for up-to-date details.

Our Careers and Graduate Futures Service can help you to identify your options, provide market intelligence, develop your graduate attributes and offer individual career consultation. It can continue to offer support and guidance for up to two years after you graduate.

For further information please contact:
www.hw.ac.uk/uk/students/careers.htm
As a significant leader in employability, Heriot-Watt produces high-calibre students who are fully equipped for future success. A number of these graduates are currently developing successful careers at Cisco, contributing valuable knowledge and expertise while helping to grow our reputation as a worldwide leader in IT, networking and cybersecurity solutions. Our partnership with Heriot-Watt continues to go from strength to strength and we will continue to recruit from Heriot-Watt’s elite pool of talented graduates.”

Tom Kneen
CTO Office, Cisco UKI

Our links to global business and industry are part of our DNA at Heriot-Watt, which makes our graduates sought after by employers around the world. Your education here gives you a unique globally connected perspective and experience, whether that’s through specialist guest lectures, industry visits, exhibitions or career events.

You will learn from academics who are leaders in their field, have ‘hands on’ industry experience and know exactly what employers are looking for in our students.
Real-world Education

Today, our communities of scholars come from across the world for a purpose: to deliver innovation and educational excellence in business, engineering, design and the physical, social and life sciences. A research-informed curriculum focuses on delivering practical solutions to real-world problems and creating solutions that have a positive impact on society worldwide.

As a university keenly focused on delivering excellence in research, we have significantly contributed to the development of research pooling. This initiative can enhance your studies and provide opportunities to meet people who can support your career aspirations. Providing collaborative opportunities for research and training across international universities creates an environment that is highly attractive to leading researchers around the world.

World-Class Research

The Research Excellence Framework (REF) 2014 ranked Heriot-Watt 9th university in the UK for impact with 82% of research ranked world-class.

Research-led Education

Over 80% of academic staff are currently engaged in research at internationally recognised levels, delivering research as diverse as providing greater equality for deaf people, helping to manage risk in the insurance industry and pioneering geoenergy engineering.

Made for Global Impact

Making a difference in the real-world

Founded in 1821 as the world’s first Mechanics Institute, Heriot-Watt has a rich heritage and an established reputation as a leading research-led university. Here we feature some of our leading researchers. They provide an insight into critical challenges they are currently tackling to make a difference in the real-world.
Meet Associate Professor Dr Adlansyah Abd Rahman of the School of Engineering and Physical Sciences. Adlan’s research is in the field of renewable energy, specialising in bioenergy. Its current focus is on biogas from waste effluent, solid biofuel pellets and biomass upgrading via thermal treatment.

My passion for sustainable development has also led me to actively participate in various renewable energy projects that would benefit the under-served community from micro-hydro power, to off-grid solar photovoltaics, to bio-char from agricultural residues.

Tackling Climate Change through Renewable Energy

Can you describe what your specialist research focuses on?
My research work is in the field of renewable energy, specialising in bioenergy. Currently, I’m focused on biogas from waste effluent, solid biofuel pellets and biomass upgrading via thermal treatment.

I am also involved in projects that integrate other renewable energy solutions – such as solar, wind, hydropower and battery storage – and my passion for renewables has led me to actively participate in community development projects considering micro-hydopower, off-grid solar photovoltaics and biochar from agricultural residues.

How is your work influencing tomorrow’s world?
It is imperative that we build an inclusive sustainable future, and energy transition is hugely important. However, progress towards the UN Sustainable Development goals, and energy transition globally, differs across communities, so we must find ways to boost education and public understanding of the importance of mitigating climate change.

Across my work I look to participate in dialogue and knowledge exchange with key stakeholders, such as local authorities, academia and industry, to increase awareness and build understanding. I am a delegate in various national committees, such as Academic Research for Palm Oil Sustainability (ARPOS) network, Malaysian Palm Oil Certification Council (MPOCC), National Technical Committee on Renewable Energy, and Standards Working Group on Solid Biofuel, amongst others.

What do you think gives Heriot-Watt postgraduates that extra edge in their chosen field of expertise?
Our academics are well linked to industry, so we can offer highly relevant education with exposure to real world professions. Heriot-Watt students gain opportunities to learn from experts across its three international campuses and to collaborate with each other, particularly at postgraduate level where courses are planned and delivered globally and various group assignments can take place across campuses. Studying with us develops a global awareness, a focus on practical solutions to real world problems and involves students in a diverse, multi-cultural community, all of which can give our graduates that extra edge.

What advice would you give to a postgraduate student considering Heriot-Watt?
Make use of every opportunity to engage with the industry experts available to you across our globally connected campuses. You will find this is very conducive in preparing you for the challenges ahead and can help you to make an impact. Our approach and ethos can also help you to find ways to make a contribution to achieving the UN Sustainable Development Goals which are crucial to our planet’s future.
Hashwini Lalchand Thadani’s Story

My learning experience with Heriot-Watt University was great. The programme was designed to introduce us to various sources of unconventional energy and provide an understanding of the technical and applications of these alternative resources. The lecturers and supervisors were engaging and were always ready to lend a helping hand. The knowledge I've gained with this programme has benefitted me and the company I've recently joined. I am able to give insightful solutions and apply my skills here and I hope to keep learning so that I can contribute more to the industry.”
Up-skilling the workforce to forge a stronger future

Meet Associate Professor Dr Gowrie Vinayan of the School of Social Sciences. Gowrie’s research focuses on supply chain and project management. It covers areas such as Total Quality Management, Business Sustainability, Women Empowerment and Project Management.

My recent research on up-skilling and re-skilling the workforce via industry-driven TVET, outlines practical strategies to forge a two-way relationship between the industrial sectors and the institutions in the country.

Can you describe what your specialist research focuses on?

My research is focused on management across operations, production, project and supply chains. I look at varied areas, such as total quality management, business sustainability and women’s empowerment.

My recent research on upskilling and reskilling the workforce via industry-driven technical and vocational education and training (TVET), outlines practical strategies to forge an effective two-way relationship between the industrial sectors and institutions in Malaysia. A strategic approach is urgently needed to accelerate participation in TVET partnerships. This research will assist the implementation of sustainable educational policies and support the Malaysian Education Blueprint 2013-2025.

How is your work influencing tomorrow’s world?

The fourth industrial revolution, or Industry 4.0, is dramatically changing the world of work. New technologies such as blockchain, artificial intelligence, human/machine collaboration and mobile and remote access are bringing fast transformation, changing the way in which business organisations operate. Consequently, there is a huge need for an appropriately skilled and capable workforce to meet the intense demands of various industrial sectors worldwide.

My research aims to contribute to closing the skills gap by delivering the right kind of talent needed by business and industry. It looks to promote an industry-led curriculum which would introduce learners to a variety of innovative and realistic programmes that will enable them to be ready for the world of work, and better prepared for the challenges of Industry 4.0 and the changing demands of our globalised economy.

What do you think gives Heriot-Watt postgraduates that extra edge in their chosen field of expertise?

Postgraduate modules are designed, and frequently revised, with advice from industry players, ensuring that they remain relevant to changing situations and environments in our globalised world. The specialised programmes are geared towards the development of in-depth knowledge and develop students’ ability to manage people and processes by improving their competencies, skills and management knowledge required for top level positions.

As a globally connected university, Heriot Watt provides a dynamic environment where students have opportunities to travel and experience life and learning overseas through the Go-Global programme. This exposes them to other cultures and facilitates mixing with inspiring academic staff, who are leading experts in their field, located at the University’s various campuses.

What advice would you give to a postgraduate student considering Heriot-Watt?

Postgraduate study at Heriot-Watt offers you the opportunity to meet like-minded people, learn from key industry professionals, and gain exposure to new industries through our alumni all around the globe. Our programmes are designed specifically to develop the skills you need to meet the demands of business and industry, and many are accredited by the relevant governing industry body, helping you to keep up with ever-changing industry standards.
Heriot-Watt University is certainly the right place to do a postgraduate degree. The syllabus and coursework are updated to reflect current global changes. The location of the campus, which is away from the busy city, makes it easier to focus on one’s studies. A postgraduate degree here really gives you a glimpse of current trends in the field, and truly prepares you for real-life application.”

Laila Syahira binti Zulkifli
MSc Business Strategy, Leadership and Change
All of our taught programmes and research degrees are grouped into subject tables on the following pages with an indication of the level of award.

To get more detailed information on the structure of our programmes including course content, entry requirements, modes of delivery (full-time/part-time/online independent distance learning), fees and funding please go to our website.

Please note there are options to begin your programme in September or January. See our website for the most up-to-date information.

www.hw.ac.uk/pg

Please note our Programme Portfolio is currently under review and some of the programmes listed in this prospectus may change. Please refer to our website for up to date information on the subject area you are interested in.
### Energy, Geoscience, Infrastructure and Society

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<tr>
<th>Programme</th>
<th>Intake</th>
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<tbody>
<tr>
<td>Construction Project Management (KPT/JPS (R/526/7/0026) (FA2936) 02/23)</td>
<td>FT/PT</td>
<td>MSc</td>
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<tr>
<td>Commercial Management and Quantity Surveying (KPT/JPS (R/526/7/0032) (FA3475) 06/23)</td>
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<td>MSc</td>
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<td>Petroleum Engineering (KPT/JPS (R/544/7/0001) (FA3474) 06/23)</td>
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<tr>
<td>Building (KPT/JPS (N/582/8/0033) (PA10717) 12/26)</td>
<td>FT/PT</td>
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### Engineering and Physical Sciences

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<td>MSc</td>
</tr>
<tr>
<td>Renewable Energy Engineering (KPT/JPS (R/522/7/0030) (FA2721) 02/23)</td>
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<tr>
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### Mathematical and Computer Sciences

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### Social Sciences and Edinburgh Business School

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<tbody>
<tr>
<td>Business Psychology (KPT/JPS (R/311/7/0028) (FA3653) 06/23)</td>
<td>FT/PT</td>
<td>MSc</td>
</tr>
<tr>
<td>Business Strategy, Leadership and Change (KPT/JPS (R/345/7/0039) (FA5527) 08/25)</td>
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<tr>
<td>International Business Management with Finance (KPT/JPS (N/340/7/0718) (FA8512) 12/26)</td>
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<tr>
<td>International Business Management with Marketing (KPT/JPS (R/340/7/0351) (FA8360) 10/23)</td>
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<td>MSc</td>
</tr>
<tr>
<td>Strategic Project Management (KPT/JPS R/345/7/0508 (FA4163) 03/24)</td>
<td>FT/PT</td>
<td>MSc</td>
</tr>
<tr>
<td>Master of Business Administration (KPT/JPS (R/345/7/0228) (FA2182) 08/22)</td>
<td>PT</td>
<td>MBA</td>
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<tr>
<td>Business and Administration (KPT/JPS (N/340/8/0734) (PA10716) 4/26)</td>
<td>FT/PT</td>
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<td>Social and Behavioural Science (KPT/JPS (N/310/8/0033) (PA10715) 2/26)</td>
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Many of our programmes offer a September or January start. Check the website for up-to-date information of intake dates for the programme you are interested in.

**Business Psychology**

**MSc**

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<th>Intake:</th>
<th>September, January</th>
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<td>Duration:</td>
<td>Full-time, 1 year (weekdays and weekends) Part-time, 2 years (evening classes on weekdays and weekends)</td>
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<td>Fees:</td>
<td>See website for details: <a href="http://www.hw.edu.my/fees">www.hw.edu.my/fees</a></td>
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<td>Programme:</td>
<td>KPT/JPS (R/311/7/0028) (FA3653) 06/23</td>
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**OVERVIEW**

The programme is aimed at people already in, or aspiring towards, a career in any business setting. It provides detailed understanding of many aspects of psychology relevant to the workplace. The programme equips graduates with knowledge and understanding of psychological theory, evidence and methods relevant to business practice in a wide range of organisations and the skills and personal qualities needed to apply their knowledge successfully in the course of their business careers.

**ACCREDITATION**

In accordance with our normal practice our professionally orientated programmes are designed to meet the educational requirements for membership of relevant professional institutions. In addition to recognition within Malaysia, we seek accreditation by the relevant UK or international professional bodies in accordance with their standard procedures.

**CAREER OPPORTUNITIES**

The main graduate destinations are business, industry and commerce. The programme is particularly focused on delivering graduates with skills appropriate to marketing and human relations, and to the operations of global businesses. However, it is expected that some graduates will find employment within other business specialisms.

**TEACHING AND ASSESSMENT**

Our students experience a stimulating teaching environment which blends conventional lectures and tutorials with online material in our Virtual Learning Environment. Programmes are regularly reviewed by research-active staff in Edinburgh, Dubai and Malaysia to ensure that the learning material is relevant and current. Assessment is through a balance of examinations, coursework and a substantial research project.

**CORE COURSES**

- Introduction to Human Factors
- Psychology for Marketing
- Coaching Psychology
- Research Methods
- Social and Organisational Change
- Organisational Culture
- Psychology of Leadership
- Diversity
- Research Project for Business Psychology

**ENTRY REQUIREMENTS**

A relevant first or second class Honours degree, or an equivalent qualification recognised by the Malaysian Government, acceptable to the University.
Business Strategy, Leadership and Change

MSc

Intake: September, January
Duration: Full-time, 1 year (weekdays and weekends) Part-time, 2 years (weekends only)
Fees: See website for details: www.hw.edu.my/fees
Programme: KPT/JPS (R/345/7/0839) (FAS527) 08/25

OVERVIEW
This programme has been designed to build student knowledge and understanding of formulating and monitoring business strategies, how to develop change programmes and understand the impact of different leadership styles in particular contexts. This knowledge will enhance students’ personal development, so they become more effective when they undertake a managerial role.

The programme offers five taught core courses, four are strategy-oriented with the fifth being a research methods course, which are designed to be of relevance to senior and middle managers, high-potential junior managers, management consultants, entrepreneurs, and directors of small and medium-sized enterprises.

In addition, the programme caters for non-specialists who wish to pursue a more general business/managerial career, but with a business strategy emphasis. There are also opportunities to study three optional strategy-oriented courses (from a choice of six), which allow participants to customise the programme according to their needs and interests. The programme will be completed by a dissertation that will take a strategy-oriented perspective.

This perspective should emphasise one or a combination of the programme’s key subject themes of business strategy, leadership and change.

The MSc Business Strategy, Leadership and Change has been designed to equip the next generation of organisational managers with skills which include business strategy, strategic change, leadership, systems thinking and analysis, project management, business economics and quality management and engineering.

ACCREDITATION
This programme is accredited by the Chartered Management Institute.

CAREER OPPORTUNITIES
This programme is aimed at ambitious professionals and graduate students who wish to move into middle and senior management roles in small, medium and large enterprises, management consultancy or set-up their own business venture. The programme will enable this by providing candidates with tools, frameworks and ideas to help them play a more effective role in strategy formulation and implementation, developing change programmes and understanding the impact of different leadership styles in particular business settings.

TEACHING AND ASSESSMENT
Our students experience a stimulating teaching environment which blends conventional lectures and tutorials with online material in our Virtual Learning Environment. Programmes are regularly reviewed by research-active staff in Edinburgh, Dubai and Malaysia to ensure that the learning material is relevant and current.

Assessment is through a balance of examinations, coursework and a dissertation.

ENTRY REQUIREMENTS
A relevant first or second class Honours degree or a degree qualification, or equivalent qualification recognised by the Malaysian Government, acceptable to the University.

CORE COURSES
- Competitive Strategy
- Strategic Change
- Leadership
- Strategic Innovation Management
- Research Philosophy and Practice
- Strategy Dissertation

OPTIONAL COURSES
(SELECT THREE)
- Systems Thinking and Analysis
- Project Management
- Quality Management and Engineering
- Business Economics
- International Marketing
- Business Start-up

Accredited by

CMI
HE Partner
Commercial Management and Quantity Surveying

MSc

Intake: September, January

Duration: Full-time, 1 year (weekdays and weekends) Part-time, 2 years

(weekends only)

*January intake, 2 and a half years

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

Programme: KPT/JPS (R/526/7/0032) (FA3475) 02/23

OVERVIEW

The need for quantity surveyors is vital for the efficient financial management of construction projects. As a partner university of the Royal Institution of Chartered Surveyors (RICS), the School is instrumental in meeting the educational needs of quantity surveying graduates by building on their previous education and experience to prepare them for the demands of this profession.

Successful completion of the programme develops the necessary skills to provide a quality benchmark recognised by prospective employers to enhance an individual's career progression.

ACCREDITATION

This programme is accredited by the Royal Institution of Chartered Surveyors (RICS) and Chartered Institution of Civil Engineering Surveyors (ICES).

CAREER OPPORTUNITIES

The programme is focused on delivering high quality graduates for quantity surveying and built environment consultancies. Some graduates may find employment with government agencies or contracting consultancies, or possibly in finance or with the military. Others may pursue research or teaching.

TEACHING AND ASSESSMENT

Our students experience a stimulating teaching environment which blends conventional lectures and tutorials with online material in our Virtual Learning Environment. Programmes are regularly reviewed by research-active staff in Edinburgh, Dubai and Malaysia to ensure that the learning material is relevant and current. Assessment of the taught component is through a balance of examinations and coursework.

CORE COURSES

- People and Organisation Management in the Built Environment
- Contracts and Procurement
- Value and Risk Management
- Quantity Surveying Financial Management
- Construction Financial Management
- Construction Technology 3
- Construction Practice and Information Technology
- Research Dissertation

OPTIONAL COURSES

(SELECT ONE)

- Urban Economy and Property Markets
- Sustainable Design and Development

ENTRY REQUIREMENTS

A relevant first or second class Honours degree or equivalent qualification recognised by the Malaysian Government, acceptable to the University.

Accredited by

RICS

Construction Project Management

MSc

Intake: September, January

Duration: Full-time, 1 year (weekdays and weekends) Part-time, 2 years

(weekends only)

*January intake, 2 and a half years

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

Programme: KPT/JPS (R/526/7/0026) (FA2926) 02/23

OVERVIEW

The discipline of project management has become central to the management approach adopted by numerous international industries in both the public and private sector. It is focused on industrial relevance, ensuring that graduates 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.

ACCREDITATION

This programme is accredited by the Royal Institution of Chartered Surveyors (RICS) and the Chartered Institute of Building (CIOB).

CAREER OPPORTUNITIES

For graduates with a first degree in a built environment subject it can provide a competitive edge in a fierce employment market. For architects, engineers and other professionals it can provide a move into project management. The programme increasingly attracts those whose qualifications and experience lie outside the field of construction, but recognise the career opportunities that exist for suitably qualified Construction Project Management graduates.

Accredited by
Advanced Mechanical Engineering

**MSc**

**OVERVIEW**

This programme aims to develop the knowledge and skills through advanced teaching, design work and research. It provides an opportunity for candidates from Engineering backgrounds to develop key Mechanical Engineering knowledge and skills required for their professional development. The programme provides an alternative route to becoming a professional engineer.

This programme has been designed to meet the skills required by industry and to encourage students into further learning. It also provides graduates with additional advanced level knowledge and skills to be eligible as a chartered or a professional engineer.

**ENTRY REQUIREMENTS**

A relevant first or second class Honours degree in engineering discipline, or an equivalent qualification recognised by the Malaysian Government, acceptable to the University.

**ACREDITATION**

In accordance with our normal practice our professionally orientated programmes are designed to meet the educational requirements for membership of relevant professional institutions. In addition to accreditation within Malaysia, we seek accreditation by the relevant UK or international professional bodies in accordance with their standard procedures.

**CAREER OPPORTUNITIES**

The programme aims to equip graduates with the latest and specialist technical knowledge in mechanical engineering through the advanced level courses offered. The courses are taught by collaborative teams across the three international campuses made entirely of PhD holders or registered professional engineers.

**TEACHING AND ASSESSMENT**

Our students experience a stimulating teaching environment which blends conventional lectures and tutorials with online material in our Virtual Learning Environment. Programmes are regularly reviewed by research-active staff in Edinburgh, Dubai and Malaysia to ensure that the learning material is relevant and current. Assessment of the taught component is through a balance of examinations and coursework.

**CORE COURSES**

- Professional and Industrial Studies
- Specialist Engineering Technologies 1 & 2
- Failure Accident Analysis
- Master’s Dissertation
- Critical Analysis and Research Project Planning

**OPTIONAL COURSES**

- Engineering Design
- Fluids 1 & 2
- Advanced Mechanics of Materials
- Dynamics 1 & 2
- Heat Exchangers and Heat Transfer
- Renewable Energy Technologies
- FLAME Appraisal
- Advanced Thermodynamic Applications
- Engineering Manufacture
- FLAME Development

**Fees:**

See website for details: [www.hw.edu.my/fees](http://www.hw.edu.my/fees)

**Programme:** KPT/JPS (N/521/7/0182)(PA14181) 01/26

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**Renewable Energy Engineering**

**MSc**

**OVERVIEW**

This Master’s degree is a specialist programme. It aims to equip students with a broad, yet detailed overview of renewable energy resources and their exploitation, as well as the socio-economic and environmental impacts of related activities. It provides a broad introduction to current energy issues and specialist knowledge and skills to analyse, appraise or design renewable energy systems or equipment.

This programme is an advanced MSc in the rapidly expanding area of renewable energy engineering. It is aimed at students wishing to develop critical understanding of the significant changes taking place in the energy industry due to the development and integration of wind, marine, biomass and solar technologies. The programme will enable graduates to develop and implement creative solutions to the problems encountered in renewable energy capture, conversion, storage and management.

**ENTRY REQUIREMENTS**

A relevant first or second class Honours degree in a physical science or engineering discipline, or an equivalent qualification recognised by the Malaysian Government, acceptable to the University.

**ACREDITATION**

The MSc Renewable Energy Engineering is accredited by the professional body, the Energy Institute for Further Learning for Chartered Engineer (CEng).

**Fees:**

See website for details: [www.hw.edu.my/fees](http://www.hw.edu.my/fees)

**Programme:** KPT/JPS (R/522/7/0030) (FA2721) 02/23

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**CAREER OPPORTUNITIES**

Many students studying this programme are already in employment. This MSc can enhance their career prospects, enabling them to contribute more thoroughly by applying the knowledge and skills they have gained. As the importance of the renewable energy sector continues to increase, this programme equips graduates to move into other areas of employment in this exciting field.

**TEACHING AND ASSESSMENT**

Our students experience a stimulating teaching environment which blends conventional lectures and tutorials with online material in our Virtual Learning Environment. Programmes are regularly reviewed by research-active staff in Edinburgh, Dubai and Malaysia to ensure that the learning material is relevant and current. Assessment of the taught component is through a balance of examinations and coursework.

**CORE COURSES**

- Foundations of Energy
- Renewable Energy Technologies
- Economics of Renewable Energy Engineering
- Advanced Renewable Energy Engineering
- Demand Management and Energy Storage
- Environmental Impact Assessment
- Critical Analysis and Research Preparation
- Master’s Dissertation

**OPTIONAL COURSES**

- Heat Exchangers and Heat Transfer
- Electrical Power Systems

**ENTRY REQUIREMENTS**

A relevant first or second class Honours degree in a physical science or engineering discipline, or an equivalent qualification recognised by the Malaysian Government, acceptable to the University.

**ACREDITATION**

Accredited by [Energy Institute](https://www.energyinst.org/).
International Business Management with Finance

MSc

Intake: September, January
Duration: Full-time, 1 year (weekdays and weekends) Part-time, 2 years (weekends only)
Fees: See website for details: www.hw.edu.my/fees
Programme: KPT/JPS (N/340/7/0718) 12/26

OVERVIEW
This Master’s degree is aimed at graduates who have little or no business or management background in their first degree and who wish to gain a broad-based business qualification to enhance their future career prospects, or at those looking to develop business management knowledge and skills to allow them to change or further their careers.

The international focus of the programme attracts students from all around the world, giving a rich learning environment where international experience and practice is shared.

ACCREDITATION
In accordance with our normal practice our professionally orientated programmes are designed to meet the educational requirements for membership of relevant professional institutions. In addition to recognition within Malaysia, we seek accreditation by the relevant UK or international professional bodies in accordance with their standard procedures.

CAREER OPPORTUNITIES
The main graduate destinations are business management for industry, commerce and higher education. The programme is focused on delivering graduates with the knowledge and skills appropriate to contemporary, international business environments and positions, with particular relevance to finance. It is also expected that some graduates will find employment within other business or governmental specialisms.

TEACHING AND ASSESSMENT
Our students experience a stimulating teaching environment which blends conventional lectures and tutorials with online material in our Virtual Learning Environment. Programmes are regularly reviewed by research-active staff in Edinburgh, Dubai and Malaysia to ensure that the learning material is relevant and current. Assessment is through a balance of examinations, coursework and a dissertation.

CORE COURSES
• International Business Context
• Competitive Strategy
• Financial Analysis
• Business Economics
• Research Philosophy and Practice
• Finance
• Dissertation

OPTIONAL COURSES
(SELECT TWO)
• Marketing
• Leadership
• Project Management
• Quality Management

ENTRY REQUIREMENTS
A relevant first or second class Honours degree or a degree qualification, or equivalent qualification recognised by the Malaysian Government, acceptable to the University.

International Business Management with Marketing

MSc

Intake: September, January
Duration: Full Time, 1 Year (weekdays and weekends) Part Time, 2 Years (weekends only)
Fees: See website for details: www.hw.edu.my/fees
Programme: KPT/JPS (R/340/7/0351) 10/23

OVERVIEW
This Master’s degree is aimed at graduates, from a wide range of backgrounds in their first degree, who wish to gain a broad-based business qualification to enhance their future career prospects. It is also aimed at those looking to develop business management knowledge and skills to enable them to change or further their careers.

Programme graduates will typically be able to demonstrate a critical appreciation of a range of core and specialist theories, concepts and applications evident within contemporary business environments.

The programme develops an appreciation of business management within dynamic, international contexts; application of theoretical solutions to business problems to inform effective practice; and engagement in business-relevant decision-making, marketing, leadership and teamworking.

ACCREDITATION
In accordance with our normal practice our professionally orientated programmes are designed to meet the educational requirements for membership of relevant professional institutions. In addition to recognition within Malaysia, we seek accreditation by the relevant UK or international professional bodies in accordance with their standard procedures.

CAREER OPPORTUNITIES
The main graduate destinations are business management for industry, commerce and higher education. The programme is focused on delivering graduates with the knowledge and skills appropriate to contemporary, international business environments and positions, with particular relevance to marketing. It is also expected that some graduates will find employment within other business or governmental specialisms.

TEACHING AND ASSESSMENT
Our students experience a stimulating teaching environment which blends conventional lectures and tutorials with online material in our Virtual Learning Environment. Programmes are regularly reviewed by research-active staff in Edinburgh, Dubai and Malaysia to ensure that the learning material is relevant and current. Assessment is through a balance of examinations, coursework and a dissertation.

CORE COURSES
• International Business Context
• Competitive Strategy
• Marketing
• Business Economics
• Research Philosophy and Practice
• International Marketing
• Dissertation

OPTIONAL COURSES
(SELECT TWO)
• Financial Analysis
• Leadership
• Project Management
• Quality Management

ENTRY REQUIREMENTS
A relevant first or second class Honours degree or a degree qualification, or equivalent qualification recognised by the Malaysian Government, acceptable to the University.
Master of Business Administration

MBA (part-time)

Intake: September, January
Duration: Part-time: 2 years (intensive weekend seminars)
Fees: See website for details: www.hw.edu.my/fees
Programme: KPT/JPS (R/345/7/0228) (FA2182) 08/22

OVERVIEW
Across the globe, students are particularly drawn by the academic rigour of the MBA programme, its intellectual challenge and its ability to greatly enhance their career prospects. The part-time MBA is delivered over a two-year period at Heriot-Watt University Malaysia and is geared to the needs of business professionals who seek a range of skills and expertise for which the programme is renowned.

Our campus at Putrajaya brings together a powerful combination of our global campus faculty (UK, Dubai and Malaysia) to provide and deliver cutting edge best practice to our part time MBA students.

At the campus, we have a dedicated MBA programme director and an administrative assistant who will be happy to answer any queries. We also conduct regular MBA previews for those who want to know more about our School and our programme in Malaysia.

TEACHING AND ASSESSMENT
Teaching, which is delivered over two years of weekend seminars and revision classes, creates a dynamic environment for students with diverse experiences, backgrounds and cultures to share and exchange knowledge in a rich learning environment. These intensive weekend seminars are delivered in English by our global faculty. Seven core courses and two elective courses are required for the MBA degree. Students will benefit from 48 hours of tutored interaction for each core course from top faculty. A large amount of time will be spent studying independently (approximately 200 hours per course). Each course is assessed by a 3-hour written examination. Students may also opt to do their examinations by e-assessment.

CORE COURSES
• Delivering Successful Projects
• Developing and Executing Strategy
• Economics for Business
• Financial Decision Making
• Leadership Theory and Practice
• People, Work and Organisations
• Strategic Marketing

ELECTIVE COURSES
(.SELECT TWO)
• Entrepreneurial Venturing
• Entrepreneurship and Creativity
• Making Strategies Work
• Negotiation
• Strategic Risk Management

ENTRY REQUIREMENTS
A relevant first or second class Honours degree or a degree qualification, or equivalent qualification recognised by the Malaysian government, acceptable to the University. A minimum of two years' post-qualifying full-time work experience of a relevant nature.

Strategic Project Management

MSc

Intake: September, January
Duration: Full-time, 1 year (weekdays and weekends) Part-time, 2 years (weekends only)
Fees: See website for details: www.hw.edu.my/fees
Programme: KPT/JPS R/345/7/0508 (FA4163) 03/24

OVERVIEW
The MSc in Strategic Project Management is an established and highly regarded programme at Heriot-Watt University. This Master’s degree differentiates itself from other project management programmes by providing greater emphasis on strategically managing a portfolio of projects to deliver organisational goals. The programme has a strong focus on the strategic alignment of projects to ensure that projects deliver organisational values and benefits. This encompasses both project management as a process to deliver end products, and change management as a process of capturing the rational and emotional buy-in of those affected by change to ensure its success.

ACCREDITATION
The programme is accredited by the Project Management Institute (PMI) and the Global Accreditation Center for Project Management Education Programs (GAC), the world’s leading specialised accrediting body for project management higher education degree programmes.

CAREER OPPORTUNITIES
The programme is excellent preparation for those looking for roles that have strategic focus and defined end goals. Our Strategic Project Management graduates have gone on to successful careers within project management roles across a variety of organisations including management consultancies; energy, construction and engineering firms; financial and banking sector firms; manufacturing and service sector firms.

TEACHING AND ASSESSMENT
Our students experience a stimulating teaching environment which blends conventional lectures and tutorials with online material in our Virtual Learning Environment. Programmes are regularly reviewed by research-active staff in Edinburgh, Dubai and Malaysia to ensure that the learning material is relevant and current. Assessment is through a balance of examinations, coursework and a dissertation.

CORE COURSES
• Strategic Project Management
• Leadership
• Research Philosophy and Practice
• Project Management
• Strategy Dissertation

OPTIONAL COURSE
(SELECT UP TO FOUR)
• Systems Thinking and Analysis
• Strategic Change
• Competitive Strategy
• Strategic Innovation Management
• Business Start-up
• Quality Management

ENTRY REQUIREMENTS
A relevant first or second class Honours degree or a degree qualification, or equivalent qualification recognised by the Malaysian Government, acceptable to the University.

Overseas programmes.

Accredited by
**Petroleum Engineering**

**MSc**

- **Intake:** September, January
- **Duration:** Full-time, 1 year (weekdays and weekends) Part-time, 2 years (weekends only)
- **Fees:** See website for details: [www.hw.edu.my/fees](http://www.hw.edu.my/fees)
- **Programme:** KPT/JPS (R/544/7/0001) (FA3474) 06/23

**OVERVIEW**

The MSc in Petroleum Engineering is a programme of lectures and project work, encompassing a wide range of petroleum engineering fundamentals, pertinent to the modern petroleum industry. Project work provides an opportunity for ideas and methods, assimilated through lectures and tutorials, to be applied to real field evaluation and development design problems.

The courses are applied in nature and have been designed so that graduates are technically well prepared for, and have a sound knowledge of the industry. These courses provide specialist education tailored to the requirements of the upstream petroleum industry. Project work involves the design and planning of projects that are relevant to the industry. The programme is recognised by graduate recruiting businesses globally, and many of our graduates are employed at the most senior technical and management levels in international oil and gas companies.

**CAREER OPPORTUNITIES**

The main graduate destination is the upstream oil and gas industry as well as low carbon energy industry such as geothermal energy, hydrogen storage and carbon capture and storage (CCS). Students can also expect to find employment within the downstream oil and gas industry. The programme is recognised by graduate recruiting businesses globally, and many of our graduates are employed at the most senior technical and management levels in international oil and gas companies.

**TEACHING AND ASSESSMENT**

Our students experience a stimulating teaching environment which blends conventional lectures and tutorials with online material in our Virtual Learning Environment. Programmes are regularly reviewed by research-active staff in Edinburgh, Dubai and Malaysia to ensure that the learning material is relevant and current.

Assessment of the taught component is through a balance of examinations and coursework.

**FIELDTRIP AND SITE VISITS**

As part of the programme, students are also taken on a number of field trips and site visits in Peninsula Malaysia and Sabah. These trips allow students to investigate reservoir geology, structural conduits and their impact on fluid flow, potential source rocks, and trapping mechanisms.

**CORE COURSES**

- Reservoir Engineering
- Petroleum Geoscience
- Drilling Engineering
- Formation Evaluation
- Reservoir Engineering - Well Test Analysis
- Reservoir Simulation
- Petroleum Economics
- Production Technology

**ENTRY REQUIREMENTS**

- Minimum of 2:2 honours degree or equivalent academic qualification in a related subject area.
- For postgraduate conversion courses, non-related degrees will be considered.
- Corporate (or chartered) membership of relevant professional institutions will also be considered.

Applicants will need good mathematical ability to succeed in their programmes i.e. university level mathematics commonly encountered on engineering degrees and be confident in further development of these skills.

Candidates who do not meet the above entry requirements or have no formal academic qualifications will be considered individually based on their CV and possibly interview. Admission via this route will be at the discretion of the Programme Director.
Heriot-Watt Malaysia provides an outstanding environment to undertake postgraduate research leading to a PhD. We offer supervision by leading academics working at the forefront of their discipline and delivering research that helps transform society and drive the economy. We also offer first-class training in both specialist and generic skills that focuses on providing the necessary support for career development.

Research projects are offered with supervisors working at the cutting edge of contemporary topics from the fundamental to the applied in all of our disciplines. Projects often involve working in research teams, with industry involvement, and many with collaborations with other leading research laboratories around the world.

**PHD DEGREES OFFERED:**
- Social and Behavioural Science
- Business and Administration
- Statistics
- Engineering and Engineering Trades
- Building

Research Opportunities and Scholarships

School, Research Institute, and Research Centre web pages provide detailed information on research and potential research project opportunities for PhD studies.

The University offers annual James Watt Scholarships, approximately 80 each year, for well-qualified applicants.

The research degrees listed are not exhaustive. If you have an idea around a specific research theme please get in touch. Our contact details are listed opposite.

**PhD OPPORTUNITIES IN ENERGY,**

**PHD OPPORTUNITIES IN ENGINEERING AND PHYSICAL SCIENCES**

E: pgr.eps@hw.ac.uk  
T: +44 (0) 131 451 3027

**PHD OPPORTUNITIES IN SOCIAL SCIENCES**

E: pgadmissions.soss@hw.ac.uk  
T: +44 (0) 131 451 3284

**PHD OPPORTUNITIES IN MATHEMATICAL AND COMPUTER SCIENCES**

E: macspgenquiries@hw.ac.uk  
T: +44 (0) 131 451 8444/8337

**PHD OPPORTUNITIES IN TEXTILES AND DESIGN**

E: enquiries@tex.hw.ac.uk  
T: +44 (0) 1896 892156

**POSTGRADUATE RESEARCH PROSPECTUS**

www.hw.ac.uk/research/phd-opportunities.htm
Building

**PhD**

**Intake:** January, May, September  
**Duration:** Full time: 3-6 years / Part-time: 4-8 years  
**Fees:** See website for details: www.hw.edu.my/fees  
**Programme:** KPT/JPS (N/582/8/0033) (PA10717) 12/26

**OVERVIEW**

Our aim is to provide each student with an opportunity to deploy knowledge, understanding, critical thinking and develop an analytical approach in identifying and resolving problems. The mode of delivery is via supervised research work of typical duration three years and culminating in the submission of a thesis normally within four years from the date of first registration. Students will work under the supervision of an expert academic team; normally comprising staff from both our Malaysia and UK campuses.

Students will also be expected to publish their work in high impact journals (although this is not a pre-requisite for viva and/or graduation). All students are subject to an annual appraisal to assess progress. Students will not be allowed to progress to the following year of study if this process is not complete.

**Research areas in the field include** (but are not limited to):
- Building design  
- Building performance  
- Green buildings and sustainability  
- Construction Management and Economics  
- Contacts and Procurement  
- Information Technology in Construction  
- BIM  
- Climate change impacts on buildings  
- Smart Construction  
- Construction Innovation  
- Risk Management  
- Value Management

**ENTRY REQUIREMENTS:**

All applicants should hold an MSc or first class MEng recognised by the Malaysian government and deemed acceptable by the University. Occasionally, candidates holding a first class BEng (Hons) or BSc (Hons) may be admitted if they also have significant research experience.
Business and Administration

PhD

Intake: January, May, September

Duration: Full time: 3-6 years / Part-time: 4-8 years

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

Programme: KPT/JPS (N/340/8/0734) (PA10716) 4/26

OVERVIEW

The mode of delivery is via supervised research work of typical duration three years and culminating in the submission of a thesis normally within four years from the date of first registration. Students will work under the supervision of an expert academic team; normally comprising staff from both our Malaysia and UK campuses.

Students will also be expected to publish their work in high impact journals (although this is not a pre-requisite for viva and/or graduation).

All students are subject to an annual appraisal to assess progress. Students will not be allowed to progress to the following year of study if this process is not complete. The language of instruction is English.

Entry Requirements:

All applicants should hold an MSc recognised by the Malaysian Government and deemed acceptable by the University. Occasionally, candidates holding a first class BSc (Hons) or BA (Hons) may be admitted if they also have significant research experience. Candidates may be required to complete our PG Certificate in Research Methods delivered by the Edinburgh Business School.

Engineering and Engineering Trades

PhD

Intake: January, May, September

Duration: Full time: 3-6 years / Part-time: 4-8 years

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

Programme: KPT/JPS (N/520/8/0107) (PA10719) 05/26

OVERVIEW

The mode of delivery is via supervised research work of typical duration three years and culminating in the submission of a thesis normally within four years from the date of first registration. Students will work under the supervision of an expert academic team; normally comprising staff from both our Malaysia and UK campuses.

Students will also be expected to publish their work in high impact journals (although this is not a pre-requisite for viva and/or graduation).

All students are subject to an annual appraisal to assess progress. Students will not be allowed to progress to the following year of study if this process is not complete.

The language of instruction is English.

Entry Requirements:

All applicants should hold an MSc or first class MEng recognised by the Malaysian Government and deemed acceptable by the University. Occasionally, candidates holding a first class BEng (Hons) or BSc (Hons) may be admitted if they also have significant research experience.

Research areas in the field include (but are not limited to):

- Chemical Engineering
- Mechanical Engineering
- Computational Mechanics
- Tribology
- Renewable Energy Systems
- Fluid Dynamics
- Multiphase Flow
- Process Engineering
- Electrical and Electronic Engineering
- Signal Processing
- Optical Communication
- Petroleum Engineering
- Civil Engineering
- Highway Engineering
- Hydraulics
- Polymer Engineering
- Additive Manufacturing
- IC Design
- 3D Image Registration
- Structural Engineering
- Water Resources
- Environmental Engineering
- Geotechnical Engineering
- Material Science and Technology

Research areas in the field include (but are not limited to):

- Business Management and Practice
- Commercial Law
- Business Administration
- Management and Marketing
- TQM and Strategic Management
- Business Management and Practice
- Commercial Law
- Business Administration
- Management and Marketing
- TQM and Strategic Management

Business and Administration

PhD

Intake: January, May, September

Duration: Full time: 3-6 years / Part-time: 4-8 years

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

Programme: KPT/JPS (N/340/8/0734) (PA10716) 4/26

OVERVIEW

The mode of delivery is via supervised research work of typical duration three years and culminating in the submission of a thesis normally within four years from the date of first registration. Students will work under the supervision of an expert academic team; normally comprising staff from both our Malaysia and UK campuses.

Students will also be expected to publish their work in high impact journals (although this is not a pre-requisite for viva and/or graduation).

All students are subject to an annual appraisal to assess progress. Students will not be allowed to progress to the following year of study if this process is not complete. The language of instruction is English.

Entry Requirements:

All applicants should hold an MSc recognised by the Malaysian Government and deemed acceptable by the University. Occasionally, candidates holding a first class BSc (Hons) or BA (Hons) may be admitted if they also have significant research experience. Candidates may be required to complete our PG Certificate in Research Methods delivered by the Edinburgh Business School.
Statistics

PhD

Intake: January, May, September

Duration: Full time: 3-6 years / Part-time: 4-8 years

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

Programme: KPT/JPS (N/462/8/0032) (PA10716) 4/26

ENTRY REQUIREMENTS:
All applicants should hold a Masters Degree in Statistics or a relevant or equivalent qualification as recognised by the Malaysian Government and deemed acceptable by the University. Occasionally, candidates holding a first class BSc (Hons) may be admitted if they also have significant research experience.

Research areas in the field include (but are not limited to):
- Actuarial Studies
- Statistical Quality Control
- Queueing Theory
- Financial Modelling
- Risk Theory
- Computational Statistics
- Bayesian Statistics
- Data Assimilation and Predictive Analytics

OVERVIEW
The mode of delivery is via supervised research work of typical duration three years and culminating in the submission of a thesis normally within four years from the date of first registration. Students will work under the supervision of an expert academic team; normally comprising staff from both our Malaysia and UK campuses.

Students will also be expected to publish their work in high impact journals (although this is not a pre-requisite for viva and/or graduation).

All students are subject to an annual appraisal to assess progress. Students will not be allowed to progress to the following year of study if this process is not complete.

The language of instruction is English.

Social and Behavioural Science

PhD

Intake: January, May, September

Duration: Full time: 3-6 years / Part-time: 4-8 years

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

Programme: KPT/JPS (N/310/8/0038) (PA10715) 2/26

ENTRY REQUIREMENTS:
All applicants should hold a Masters Degree in Social and Behavioural Science or a relevant or equivalent qualification as recognised by the Malaysian Government and deemed acceptable by the University. Occasionally, candidates holding a first class BSc (Hons) in Social and Behavioural Science or in a related field, may be admitted if they also have significant research experience.

Candidates may be required to complete our PG Certificate in Research Methods delivered by the Edinburgh Business School.

Research areas in the field include (but are not limited to):
- Industrial and Organisational Psychology
- Counselling and Clinical Psychology
- Developmental and Social Psychology
- Cyber Wellness
- Hypnosis
- Positive Education

OVERVIEW
The mode of delivery is via supervised research work of typical duration three years and culminating in the submission of a thesis normally within four years from the date of first registration. Students will work under the supervision of an expert academic team; normally comprising staff from both our Malaysia and UK campuses.

Students will also be expected to publish their work in high impact journals (although this is not a pre-requisite for viva and/or graduation).

All students are subject to an annual appraisal to assess progress. Students will not be allowed to progress to the following year of study if this process is not complete.

The language of instruction is English.
Our communities of scholars come from across the world and for a purpose: to transform people and the world. As leaders in ideas and solutions, they deliver innovation and educational excellence in business, engineering, design and the physical, social and life sciences.

Our pioneering research is…

Developing new technologies for future energy

Leading research with key industry partners, we are helping reshape the energy landscape for the future. Our research centres on the development of new, more efficient and economical technologies for renewable energy production. Integrating new techniques and approaches within existing infrastructure provision, we also focus on societal, economic and environmental impacts.

Supporting societal development

Investigating the relationships between social, economic and business management in support of building a healthier and wealthier society, our research focuses on organisational and social psychology, on cyber wellness and social policy. Linkages are made with business ethics, governance and economic growth.

Positive education through purpose-driven activities

Education should empower our students beyond academic achievements. Cultivating a sense of purpose is at the heart of what we offer because this drives young people to make a positive impact in the world and will lead to other successes in life. We offer a distinctive learning experience that develops the attributes that employers are looking for, such as excellent communication, leadership, emotional intelligence, and the ability to manage yourself effectively. Our research focuses on developing the evidence-base to demonstrate what works and in what circumstances.

Reducing the impact of human activity on our environment

Ensuring environmental sustainability underpins all of our research. Examining how human activity affects our natural environment and ensuring we minimise and mitigate any negative impact is core to our work. Our experts focus on water, air and wastewater treatment as well as on the development of environmental biotechnology and green manufacturing products and processes.

Be FutureMade

www.hw.ac.uk/research
APPLYING FOR TAUGHT AND RESEARCH POSTGRADUATE PROGRAMMES

ENTRY REQUIREMENTS
General rules are:

- For entry to a taught Masters programme you need a minimum of a first degree at Lower Second Class Honours (or the equivalent).
- For entry to a research programme, you need to have a Masters degree in a similar field or the equivalent.
- If you have relevant work experience and some academic attainments but no degree it may be possible to be admitted to a postgraduate programme. Please contact us to discuss your background.

If English is not your first language then an IELTS score of 6.5 (minimum) will be required. You can also study an English programme at Heriot-Watt to fulfil this condition.

MAKING YOUR APPLICATION
To submit an application online you will need to create an account. You can then use these login details to upload your supporting documents or track the status of your application.

For further details of applying visit: www.bit.ly/hwumapply

If you have already created an account for your chosen degree programme(s) you can log back in without the need to create a new login and account.

ENGLISH FOR POSTGRADUATE STUDY
Postgraduate study requires a good level of English language proficiency and academic skills to ensure you can understand lectures, participate in seminars, read and understand academic research papers and use ideas in your writing. There are a range of programmes to help you to reach the level you need to be successful on your degree.

Full details on all our English programmes and equivalent test scores can be found here: www.bit.ly/hwumenglish

SUPPORTING INTERNATIONAL STUDENTS
Our Education Consultants and International Student Services Office can provide help and support on all issues relating to your student visa to study in Malaysia including accommodation, and medical check-ups. You can find more information online: www.bit.ly/hwuminternational

CHAT WITH A STUDENT
Got a question about a course or student life at Heriot-Watt? Our new Unibuddy scheme allows you to send a message to one of our friendly student ambassadors, who use their first-hand experience to tell you all you need to know. www.hw.ac.uk/unibuddy
TUITION FEES
For full details of current tuition fees and registration fees for local and international students, please visit:
www.hw.edu.my/fees

SCHOLARSHIPS
Our range of scholarships to qualifying students includes those offered by Heriot-Watt and industry partners.
For full details of all the scholarships and assistance offered, visit:
hw.edu.my/scholarships

HERIOT-WATT CORPORATE PARTNERSHIP POSTGRADUATE BURSARY
The Heriot-Watt Corporate Postgraduate Partnership Bursary is a concession package for students who are applying to our postgraduate taught programmes in a group of more than one from the same company.
This is applicable for local, international, part-time or full-time students.

HOW DOES IT WORK?
• Up to three employees from the same organisation enrolling for any postgraduate taught programme within the same intake will be entitled to a 25% reduction in fees for all.
• Four employees and above from the same organisation enrolling for any postgraduate programme within the same intake will each receive a 30% reduction in fees.

FAMILY DISCOUNT
(For Foundation, Undergraduate and Postgraduate Taught Studies)
A discount of 10% is granted to children and/or a spouse of a Heriot-Watt University alumnus who registers for a programme of study at Heriot-Watt University Malaysia. This discount is also granted to siblings of currently registered students of Heriot-Watt University Malaysia.

HERIOT-WATT ALUMNI DISCOUNT
(For Postgraduate Taught Studies only)
A discount of 20% is granted to Heriot-Watt University alumni who register for postgraduate programmes of study at Heriot-Watt University Malaysia.
This is awarded on receipt of documentary evidence of an undergraduate or postgraduate award from Heriot-Watt University.

APPLICATION ADVICE
We also support and advise students in the application of loans and grants. The Scholarship and Financial Aid Unit assists in providing certification for documents required for the application for EPF withdrawals, bank loans and more.
hwum@hw.ac.uk

We provide support and assistance for applications to withdraw from your EPF account to fund your postgraduate studies.

At Heriot-Watt, we believe that a university education is an investment in your future. In order to help with your finances, we offer a range of scholarships to qualifying students.
DISCLAIMER OF LIABILITY
Heriot-Watt University will make all reasonable efforts to deliver the programmes described in this prospectus.
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. The University does not provide education on a commercial basis, and is dependent on public and charitable funds which require the University to deploy its resources efficiently and rationally. 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; 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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