



Find out more:
www.southampton.edu.my

marketing.malaysia@southampton.ac.uk
+60 7 560 2560 (Malaysia)
+44 (0)23 8059 9699 (UK)

 UniSouthamptonMalaysia

 Southampton_MY

 uni_southampton_malaysia

 bit.do/UniSouthamptonMalaysia

 +60 17 261 5759

University of Southampton
Malaysia Campus (USMC)
(DULN006(J))
Persiaran Canselor 1, Kota Ilmu
EduCity @ Iskandar
79200 Nusajaya
Johor Darul Takzim. (913717-X)

UNIVERSITY OF
Southampton
MALAYSIA

ENGINEER A NEW WORLD



When finished with this
document please recycle it.

FOUNDATION YEAR AND
UNDERGRADUATE COURSES 2020

PART OF THE
**RUSSELL
GROUP**

**EXPLORE YOUR
NEW WORLD**

OPEN DAYS

Book your place at:

www.southampton.edu.my/visitus

Other opportunities to meet staff from
the University are available at:

www.southampton.edu.my/events

Choosing your university is about more than
finding a course. It's about starting the next
chapter of your life and taking another step
towards becoming the person you want to be.

At Southampton we share your passion to learn
and encourage your desire to explore and evolve
in a friendly and vibrant community.

Our academic staff and diverse student
community will inspire, challenge and support
you. Together we can help you make your mark
on the world.

We have established a branch campus within
the EduCity development in Iskandar Puteri,
Johor to enable more students to experience our
world-class education. Students at Southampton
Malaysia are offered the same course content and
teaching quality as students in the UK and enjoy a
high staff to student ratio.

CONTENTS

- 4 Global University
- 8 Our Facilities
- 10 Our People
- 14 Your Student Experience
- 18 Accommodation
- 22 International Students
- 24 Engineering Foundation Year
- 26 Your Undergraduate Courses
- 42 Applying, fees, scholarships
- 50 How to find us

CHOOSE SOUTHAMPTON

No.6

for Aeronautics and
Astronautics
The Complete University
Guide, 2020

No.3

for Electrical and Electronic
Engineering in the UK
The Times and Sunday Times
Good University Guide, 2020

No.4

for Mechanical
Engineering
The Times and Sunday Times
Good University Guide, 2020

A GLOBAL UNIVERSITY



We are part of the **Worldwide Universities Network**: a collaboration of knowledge from around the world

The University of Southampton Malaysia is part of the EduCity development in Iskandar Puteri, Johor. Its location in southern Malaysia enables students to experience the University of Southampton's world-class education at around 62 per cent* of the cost of the same degree in the UK. Obtain a unique 'Southampton' education in Malaysia: two years of study in Malaysia followed by two years of study in the UK.

Join us to be part of a forward-thinking institution that upholds innovation and exploration at the centre of its education; join us to forge a successful global future.

- Our world-class academics are at the cutting-edge of their disciplines, bringing a positive impact to every continent
- Our alumni community is a rich, diverse network of former students that covers the globe
- Our business, government and non-government organisation partners span the globe
- We are part of the Worldwide Universities Network, a collaboration of knowledge from around the world



STUDYING ABROAD:
we have over 400 links with 233 partners in 54 countries around the world

* This figure is based on fees for Malaysian national and uses the exchange rate £1 = MYR 5.1 as of August 2019. The cost of studying in the UK (4 years in the UK) is £21,580 per annum.

1 Racing to International Success

A group of Mechanical Engineering students, who designed a handcycle to enable quadriplegics to climb mountains, won the National Instruments Student Design Competition in Austin, Texas.



2 Telegraph STEM Award winner

The STEM Awards are a unique opportunity for the UK's most talented undergraduates to present world-changing ideas to leading industry partners. Jun Ying Yew competed against over 10,000 other award entries to win the Electric Challenge 2019, judged by Rolls-Royce.



3 Global Competition

Engineering students in our Formula Student team are building a single-seat racing car to compete at Silverstone, the Hockenheim ring in Germany, and Autodrom Most in the Czech Republic.



4 Creating a sustainable future

Students Chia Tze Hank and Vengatasalam Saravanan were shortlisted in the Top 30 in the Huawei Malaysia Seeds of the Future programme. The prize was a two-week study trip in China at Huawei's headquarters in recognition of their outstanding projects for the competition.



5 Spacecraft Propulsion

Research students in Electrical Power Engineering are helping develop high powered hollow cathodes for spacecraft propulsion in collaboration with the Japanese Aerospace Exploration Agency.



@Southampton_MY
Follow us for the latest news, research and events at the University

DISCOVER WHERE ENGINEERING CAN TAKE YOU

Aaron Teo Yii How (MEng Mechanical Engineering/ Aerospace, 2018) at the forefront of engineering design with Dyson

Aaron's journey with the Dyson Research, Design and Development Department began with a recruitment fair at the University of Southampton during his final year. Taking advantage of Future Worlds events and guest speakers at University of Southampton, Highfield Campus Aaron was inspired to use engineering to improve everyday lives.

Speaking of his job at Dyson

"Dyson's values and curiosity for the unknown is what attracted me to their Graduate Scheme. My work encapsulates design and conceptualisation, starting from pen and paper, where ideas are explored. Only then do we move on to finer details such as material selection, statistical analysis, manufacturing tolerances, aesthetics and performance testing.

I think the great thing about engineering is the breadth of knowledge you will acquire over time. I learn something new every day and this motivates me to become better in my role."

Speaking about studying at University of Southampton Malaysia

"I wanted to study in the UK due to the quality of education, but 4 years would have been very expensive. When I heard about University of Southampton Malaysia it offered the best of both worlds; world-class education close to home and the chance to experience living in the UK and have access to its research facilities.

Besides education, I would highly recommend an internship as a way to foster both technical and interpersonal skills. They teach you to be persistent, to grasp opportunities and be comfortable with the unknown."



Find out more:
www.southampton.edu.my/alumni

WORLD-CLASS FACILITIES

At Southampton, you will have the opportunity to develop original thinking, push boundaries and create solutions to global challenges using facilities that are as advanced as our thinking.

- Ever since we pioneered research that laid the foundations for the creation of the World Wide Web, we have been developing understanding of computer sciences. Our Web Science Institute is where students and researchers come to investigate how the Web will continue to change the world.
- We are pushing the boundaries of performance sport. Using a combination of our large-scale facilities, including wind tunnels and towing tanks, our engineering research is helping elite athletes gain that vital competitive advantage.
- We have invested £8m in our undergraduate teaching and project laboratories for electrical engineering, together with extensive computing facilities. Our cleanroom is the largest multidisciplinary cleanroom of its type in the UK, offering world-class facilities to our undergraduate students.
- The Engineering, Design and Manufacturing Centre (EDMC) is a professional engineering workshop, used by students and researchers. Its extensive facilities include 3D printers, CNC equipment, CAD/CAM software and a training workshop.

Undergraduate electrical and electronic engineering students using our state-of-the-art interdisciplinary cleanroom (pictured) as part of their fourth year modules.



1MV/50kJ

lightning and switching impulse generator in our Tony Davies High Voltage Laboratory



RJ Mitchell Wind Tunnel

at the forefront of aerodynamics research for more than 35 years

£110m

state-of-the-art interdisciplinary cleanroom (pictured)



Find out more:
www.southampton.ac.uk/sb/research

OUR PEOPLE

Make Southampton the start of your new world; our community is full of passionate people with the drive to change the world through their research and collaborations with global partners. We can help you develop the skills you need for your future.

- Become part of a research-intensive community where our discoveries are having global impact
- Our world-leading academics will inspire and challenge you throughout your studies
- Our graduate mentors can help you develop your skills
- Feel welcome in your new home among a diverse mix of people and cultures

Dr Low Siow Yong Head of the Electrical and Electronic Engineering Programme

Dr. Low Siow Yong was the recipient of the Australian funded CIS and the APA scholarships for both his undergraduate and postgraduate studies in Australia. He has years of experience in research and teaching from his roles in the Department of Electrical and Computer Engineering at Curtin University, Malaysia and the Institute for Multi-Sensor Processing and Content Analysis at Curtin University, Australia. His research interests lie in the broad area of acoustics signal processing with his current endeavours revolving around the production of assistive listening devices and hearing aids for the hearing impaired using signal processing techniques. In addition to academic teaching and research, he has provided consultancy work for the industry and forensic audio analyses for the Australian police.



Professor Rebecca Taylor Pro Vice Chancellor and CEO (Malaysia)

Rebecca's research interests lie in the field of International Economics and Developments in Economics Education. She has designed and directed a number of Higher Education Funding Council for England (HEFCE) funded projects, focussed on innovative approaches to the teaching and learning of mathematics and statistics in Economics. Rebecca is on the Board of Companions of the Chartered Management Institute and is the Vice President (Academic) of the European Foundation for Management Development (EFMD).



Dr Pu Suan Hui Head of Mechanical and Aeronautics & Astronautics Engineering Programmes

Suan received his MEng degree in Mechanical Engineering from Imperial College London where he went on to further complete his PhD in Electrical and Electronic Engineering in 2010. With his professional experience in the semiconductor manufacturing industry, he has expanded his current research interests to include thin-film nano-crystalline graphene/graphite sensors, printed electronics and wearable sensors. He is also a Fellow of the Higher Education Academy (FHEA) in the UK and works extensively on postgraduate opportunities for University of Southampton Malaysia.



Professor Geoff Merrett Professor in Cyber Physical Systems

Geoff's interest in energy harvesting and sensor networks has led to research projects totalling over £20m, allowing mobile and embedded computing systems to run off their batteries for longer, potentially even forever. He is leading the development of a new interdisciplinary research centre, focused on pervasive systems and the Internet of Things. Keen to inspire the next generation of engineers, he also lectures on digital circuits and microprocessors and is the director of our Summer Taster Courses.



Dr Varun Thangamani Assistant Professor in Aeronautics and Astronautics

Varun worked as a Project Development Engineer with Frigescio Ltd, UK for 2 years during which he was part of the team that developed a much acclaimed and patented defrost technology, which reduces the total energy consumption of commercial freezers by up to 20 per cent. His key research interests are in Experimental Aerodynamics, Flow Oscillations, Multi-phase Heat Transfer and Energy-Saving Technologies and he currently heads a research project funded by the Ministry of Higher Education Malaysia investigating Energy Harnessing from Vortex-Induced-Vibrations.



OUR PEOPLE (CONT)

Professor John Atkinson
Professor of Engineering Science

John's research interests include thick film technology, electronic instrumentation and sensors. In particular, he has been working in the field of thick film (screen printed) sensor arrays for use in environmental monitoring for many years. John is also very active in the teaching of undergraduate and masters students on several courses including Electronics for Mechanical Engineers and Acousticians, Advanced Sensors and Signal Processing, and supervision of individual and group projects.



Professor Dame Wendy Hall
Professor of Computer Science

Professor and graduate from Southampton, Wendy was one of the first scientists to carry out serious research in multimedia, hypermedia and she has been at its forefront ever since. The influence of her work has been significant in many areas including digital libraries, the development of the Semantic Web, and the research discipline of Web Science. She is the UK's only Regius Professor in Computer Science and led a major review of Artificial Intelligence for the UK Government.



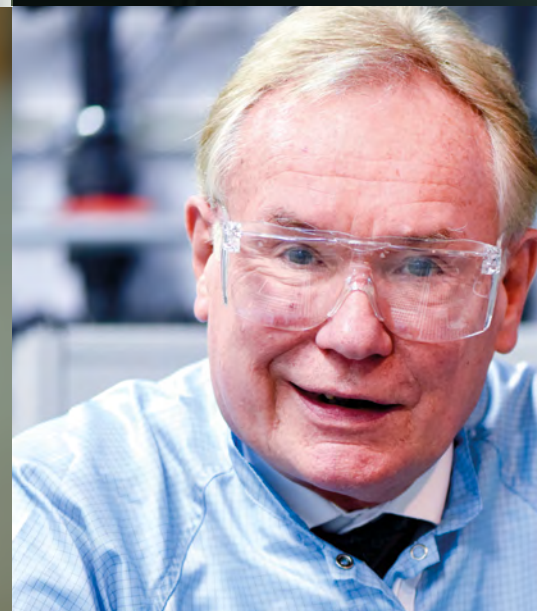
Shahilawati Wahid
English Language Lecturer

For Shahilawati, teaching English is special as it gives students a voice. Currently teaching study skills and English language to Engineering Foundation Year students, she believes that words are powerful – they influence people, initiate change in the world and prepare them for the challenges brought by life and work. She started her teaching career with a few public universities in Malaysia and then later on in 2015, she received her Master in Education (Management and Administration) from Universiti Teknologi Malaysia.



Professor Sir David Payne
Director of the Optoelectronics Research Centre

Professor Sir David Payne is a world-class pioneer of photonics technology and Director of the Optoelectronics Research Centre (ORC) – a leading institute for photonics research for which the University was awarded a Queen's Anniversary Prize. David's work has had a huge impact on the technology that underpins the internet as well as many solutions in medicine, biosciences sensing, security and manufacturing. The optical fibres invented and made in Southampton are on the Moon, Mars and the International Space Station.



Dr Jo-Han Ng
Assistant Professor and Head of Academic Quality and Innovation

Jo-Han is a trained mechanical engineer. His main research interests cover the area of renewable energy, particularly biodiesel fuels, from an experimental, theoretical and computational fluid dynamics point-of-view. He hopes that his research efforts will be able to help reverse the deteriorating environmental conditions and also alleviate the fossil fuel depletion issue. From 2009-2011, he was awarded scholarships by the Swiss-based 'World Federation of Scientists' to conduct research on the planetary emergencies of "Energy" (Renewable Energy).



YOUR STUDENT LIFE IN MALAYSIA

Years one and two (and Foundation Year) are spent at University of Southampton Malaysia, located at the world-class education hub of EduCity in Iskandar Puteri, Johor.

Campus

The University of Southampton Malaysia is part of EduCity - one of the most important developments in Iskandar Malaysia. It is a pioneering concept of best-in-class education partners, including globally recognised universities such as Southampton, Newcastle and Reading, all sharing international-standard sporting and recreational facilities.

On campus, you will stay in modern living accommodation, which is



uni_southampton_malaysia
Follow us on Instagram to see more pictures of our campuses

equipped with a cafeteria, launderette, prayer room, indoor games room, outdoor badminton, basketball court and a picturesque roof terrace with views of the surrounding area.

Surrounding area

In the heart of Malaysia's economic zone, EduCity is 8km from the Second Crossing Bridge to Singapore. It is easily accessible via the Coastal Highway that directly links Medini with Johor Bahru, and the Malaysia-Singapore Second-Link Expressway.

Singapore's regional aviation hub, Changi International Airport, is a 60-minute drive away and we are just 30 minutes from Senai International Airport.

Student life in Malaysia

We offer a wide range of facilities and services so that you can make the most out of your student life.

- Study in dedicated study spaces and computing suites
- Socialise in cafés and restaurants in the local area
- Enjoy a film, shopping or eating out at the wide range of shopping malls in close proximity to EduCity
- Relax on the beach at the nearby islands of Pulau Rawa, Pulau Sibul and Pulau Aur
- Visit local attractions including Singapore, which is only approximately a 40-minute drive away

University of Southampton Malaysia Student Association (UoSMSA)

Supported by the Students' Union in the UK, the Student Association is designed to ensure that all students at University of Southampton Malaysia have their voice heard at every level and that your university experience is as fun as possible.

Run by students for students, UoSMSA collects feedback and works with the Students' Union in the UK and the University to improve the student experience on campus. To ensure fair and accurate representation, UoSMSA holds elections each year to choose the students that will become the representatives.

The Association oversees the sports clubs and societies, ensuring that they are run properly and supporting them with the funding provided by the Union, to buy equipment for activities, events and more.

UoSMSA also organises events on campus to give you the opportunity to meet other students and engage with other Universities at the EduCity development.

Sport

- Southampton Malaysia students have access to the exceptional physical recreation and sports facilities at EduCity, which include a 6,000 capacity sports stadium with a football/rugby pitch, and a 400 metre athletic track that complies with the Association of Athletics Federation standards. There is also an aquatic centre with an Olympic-size swimming pool, which meets International Swimming Federation standards for water polo and synchronised swimming.
- Join in and play a sport at the stadium which has pitches for ball sports and field events, or in the indoor arena with courts for basketball, badminton, squash, volleyball and futsal.
- Qualified coaches and staff are available to host training sessions in a number of core sports and some extreme sports from Muay Thai to Kickboxing. Regular fitness classes in pilates, yoga, and coaching sessions in various sports from football, badminton and swimming are available for both students and the public too.

For more information about the EduCity Sports Complex, visit www.educitysport.com



Find out more:
www.southampton.ac.uk/ug/life

Follow our student bloggers:
www.southampton.edu.my/blog

YOUR STUDENT LIFE IN THE UK



Your time at Southampton will make your degree a lot more than just a qualification.

01

Campuses

The University of Southampton has five campuses in Southampton, one in Winchester and one in Malaysia. Each has its own distinct feel but all share a sense of community in which you can flourish. Highfield Campus caters for most of its academic courses. State-of-the-art research and teaching facilities sit alongside the historic red-brick Hartley Library and the Students' Union and the Jubilee Sports Centre.



uni_southampton
southampton_engineering
Follow Southampton UK on Instagram to see more pictures of its campuses

Avenue Campus is the base for most of Southampton's humanities subjects. It houses a state-of-the-art £3m Archaeology Building and is located on the edge of Southampton Common, a short walk from Highfield.

Boldrewood Innovation Campus is the result of Southampton's collaboration with Lloyd's Register: one of the largest business partnerships with any single university in the world. As the base for the study of engineering, it is also home to Lloyd's Register's Global Technology Centre and the Southampton Marine and Maritime Institute.

One of the UK's leading teaching hospital trusts, University Hospital Southampton NHS Foundation Trust is the base for the study of medicine and healthcare.

02



Our unique waterfront campus, based at the National Oceanography Centre Southampton (NOCS), is one of the world's leading research centres for the study of ocean and Earth science.

Winchester School of Art is located 12 miles north of Southampton, in Winchester city centre. The campus provides purpose-designed studios and workshops, an extensive specialist library, Students' Union facilities, a café and a well-stocked art supplies shop.

Social life

Independent from the University and run by students for students, the Students' Union offers a wide range of services and opportunities for you to get the most out of your free time.

- Experience Freshers – a full programme of activities to help you settle in.
- With more than 300 clubs and societies, you can try everything, from archery, Quidditch and performing arts to debating and life drawing
- Volunteer your time with RAG (Raise and Give), a student group that organises fundraising events to benefit local, national and international charities.
www.susu.org/societies
- Eat at The Bridge, with food from the Union's Michelin-trained chef at student prices.
- See high-profile acts like Sigma and Clean Bandit, or have a quiet evening with friends – the Union has something for everyone, all year round.
- Catch a film in the Union's 260-seat cinema, run by student volunteers.
- Dance the night away in the Union's venues for large events, such as gigs and student balls.
- Become a DJ or station manager at Surge Radio and SUSUtv



03



05

- Try out journalism for the Wessex Scene or The Edge magazines.
- Get free, independent and confidential advice from the Advice Centre on matters including student finance, housing and academic issues.
- Run for one of the positions in the Students' Union's elections and become the voice of students across the University.

Sport

- Swim in our six-lane, 25-metre pool or use the varied fitness equipment across our nine gyms: six on campus and three more in the city.
- Compete on over 20 grass and synthetic pitches or use our martial arts studio or indoor climbing wall.
- Join one of the student sport teams or Athletic Union clubs.



04

- 01 Socialising at bars and restaurants.
- 02 Rugby at Wide Lane sports ground.
- 03 Students performing at live music events.
- 04 Students' Union Officers are a familiar face on campus.
- 05 Westquay shopping centre.



Find out more:

www.southampton.ac.uk/sb/life

ACCOMMODATION

We offer modern, spacious and safe student accommodation in close proximity to our campuses in Malaysia and the UK. There are a variety of options to suit your personal budget.

Malaysia accommodation (Years one and two and Foundation Year)

Self-catering accommodation in a variety of options, including ensuite single bedrooms, twin bedrooms with ensuite and four/Six-bed accommodation with a shared bathroom is available close to the campus. Students can choose from EduCity's Student Village (SV) or EcoWorld's EcoNest.

Both accommodation facilities offer a safe and secure environment with CCTV surveillance and a security guard post. You will have the opportunity to mix with students from other institutions, sharing experiences and making friends.

Student Village

EduCity's Student Village (SV) accommodation is just a few minutes stroll from our campus. All rooms have an internet connection and there are kitchen facilities on each floor comprising a fridge, microwave and water dispenser as well as a cafeteria on the ground floor.

The SV also offers impressive shared social spaces, including an outdoor sports area, general seating areas and TV room as well as the picturesque roof terrace with views of the surrounding area. Other facilities include a launderette, cafeteria and prayer room for Muslim students. Bedding packs consisting of a pillow, pillow case, bed sheet and blanket can be purchased on request, for approximately RM100.

EcoWorld EcoNest

Eco Nest is a luxury accommodation facility next to Educity and is just 3 minutes away on a regular free shuttle bus. Due to its location, Eco Nest is a great place to live for students with shops and restaurants on its doorstep.

Students can enjoy Eco Nest's impressive shared social spaces, including swimming pool, wading pool, sauna, outdoor and indoor gymnasium, sky garden, kid's room, badminton court, function room, poolside lounge, garden terrace, gourmet kitchen and BBQ area.

How to apply for accommodation

Applications for accommodation will be possible once you have received

your offer letter and accepted your offer. You will receive a University of Southampton student ID number along with your offer letter, which you will need in order to apply for accommodation.

The deadline will differ depending on which intake you are applying for - April/July/September (Foundation Year) or September (undergraduate).

Guaranteed accommodation

You are guaranteed an offer of accommodation for your Foundation Year, or first year (undergraduate) at our campus in Malaysia, which will help you settle into University life. You are welcome to apply to remain in University accommodation for your second year while you are studying in Malaysia but we cannot guarantee a place.

You are also guaranteed an offer of University accommodation for both years spent studying in Southampton. Please note you will need to fulfil the criteria of our guarantee, which includes applying as a continuing student, in January of your second year in Malaysia for your first year living in Southampton.

Malaysia accommodation fees (2019/20 academic year)

Student Village*	Single room		Twin sharing		Four sharing		Six sharing	
	RM	GBP	RM	GBP	RM	GBP	RM	GBP
Rental	650	127	500	98	450	88	450	88

Note: Prices are per month and includes electricity usage p/pax

EcoNest*	Single		Twin sharing		Twin Ensuite	
	RM	GBP	RM	GBP	RM	GBP
Type E - 5 person sharing apartment	1,000	196	750	147	850	167
Type F - 5 person sharing apartment	1,300	255	850	167	850	167
Type G - 6 person sharing apartment	950	186	850	167	850	167

Note: Prices are per month; 30Mbps Internet provided, the rental includes utilities fee of RM200 per month

exchange rate £1 = MYR 5.1 as of August 2019.



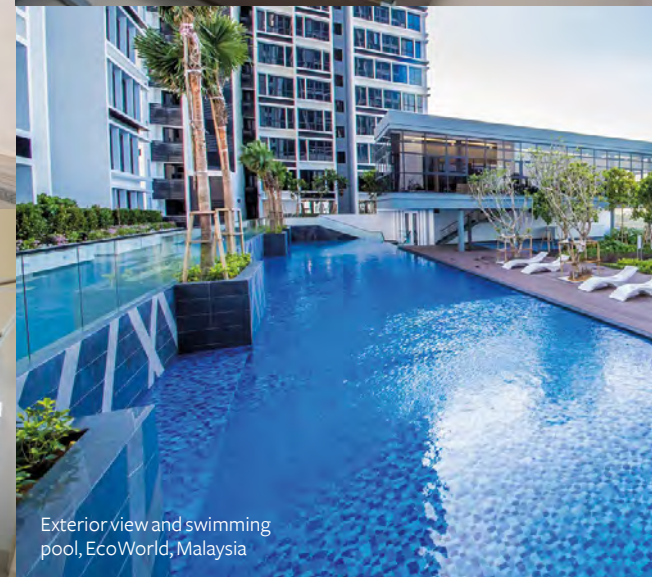
Exterior view, EduCity's Student Village, Malaysia



Typical room, EcoWorld, Malaysia



Typical room, EduCity's Student Village, Malaysia



Exterior view and swimming pool, EcoWorld, Malaysia

UK accommodation (Years three and four)

In the UK, the University of Southampton has a variety of halls and room types spread over 7 locations in safe, secure and professionally managed accommodation. As well as a friendly student community, facilities include common rooms, study and social spaces, launderettes, barbecue areas and much more.

A unilink bus pass is included in your hall fees, connecting all Southampton accommodation with our Southampton campuses, city centre, airport and train stations.

Accommodation fees for 2020/21 will be available in early 2020. Once available these will be on the University of Southampton accommodation website.

We have provided accommodation fees for 2019/20 to give you a guide.

UK accommodation fees (2019/20 academic year)

Room type	Weekly price	Total***
Non-ensuite category 1	£112.35**	£4,558
Non-ensuite category 2	£112.35-£133.21**	£4,558-£5,405**
Non-ensuite category 3	£147.84	£5,998
Ensuite category 1	£133.21-£162.75**	£5,405-£6,603**
Ensuite category 2	£162.75-£175.70	£6,184-£7,128
Studio category 1	£196.70	£7,475
Studio category 2	£206.50	£8,387
One and two bedroom flats (couples and families)	Various locations prices range from £216.66-£320.46	

* fees are subject to change without prior notice

** Catered rooms of this room type will cost approximately £44 extra per week

*** For standard contract length (40 weeks) unless otherwise stated



Find out more:

www.southampton.edu.my/accommodation

SHAPING YOUR CAREER

We can help you reach your potential and explore your options through a wealth of opportunities beyond your core studies.

Benefit from Future Worlds, our on-campus startup accelerator in Southampton. A group of engineering students founded Cluttr, after pitching it at the Future Worlds Dragons' Den event, and now they have taken their place among the world's best startups in Silicon Valley.

Fast track your ambitions

- Whether you have a career plan in mind, or you're unsure about where your degree might take you, our Careers and Employability Service can help you on your journey.
- More than 400 employers visit our campuses as part of our careers fairs and networking events.
- In the most recent Destinations of Leavers from Higher Education (DLHE) statistics, 96 per cent of our graduates were in employment or further study within six months of completing their degree.*
- We are proud to host four University Service Units, enhancing your professional development with skills from the armed forces that can be fully transferred to civilian careers.

Showcase your potential

- Take advantage of our commercial partnerships through work placements, internships and volunteering.
- We can develop your enterprising mindset and entrepreneurial skills if you want to build your own business or help solve social problems.
- Benefit from advice from graduates about future career possibilities through alumni career panel events.
- Specialise further with one of our postgraduate courses and gain a more in-depth knowledge of your subject to realise your ambitions.
- Connect with a mentor to support your transition from university to work through our Career Mentoring Programme.

Southampton Aeronautics and Astronautics graduates are successfully employed at high-profile organisations such as:

Airbus, Dstl, Dyson, European Space Agency, Jaguar Land Rover, Mercedes-AMG Petronas Motorsport, Rolls-Royce, Surrey Satellite Technology, and UK Space Agency

Southampton Electrical and Electronic Engineering graduates are successfully employed at high-profile organisations such as:

Altera, Apple, ARM, BAE Systems, BBC, Bloomberg, Cisco, Imagination Technologies, Intel, Jaguar Land Rover, J P Morgan, Network Rail, Science and Technology Facilities Council

Southampton Mechanical Engineering graduates are successfully employed at high-profile organisations such as:

Aston Martin Lagonda, Babcock Dyson, ExxonMobil, Jaguar Land Rover, Malaysia Airlines, McLaren, Rolls-Royce, and Siemens



Find out more:

www.southampton.ac.uk/sb/careers

We are among the

top 20

UK universities targeted by the largest number of

top 100

graduate recruiters**

Our career practitioners provide

1:1

careers advice



OUR INTERNATIONAL STUDENT COMMUNITY

We want to ensure that the experience of all our international students at the University of Southampton is positive and rewarding. Before you arrive in Malaysia, on your arrival and throughout your studies, our network of professional services staff and academic advisors will help you to settle in and offer ongoing support.

International visits

Staff from our Malaysia and UK campuses make numerous visits overseas each year, including attending educational fairs and international schools.

Face-to-face contact is one of the best ways of getting to know the University. If you can't attend one of our Open Days, see if we are coming to a city near you. Visit www.southampton.ac.uk/meetus and www.southampton.edu.my/events

IN MALAYSIA

Meet and Greet

Our Meet and Greet Service from Kuala Lumpur International Airport and Senai International Airport is free of charge to students and will help make your journey to Southampton as simple and stress-free as possible.

“

I am from Egypt and I chose to study at the University of Southampton because its reputation in engineering is unmatched. Also, I chose Southampton because of the opportunity to study at the University's campus in Malaysia, which offers a very high staff to student ratio and a more personal experience, at a fraction of the cost.”

Mahmoud Ashraf Hassan Wagih
MEng Electrical and Electronic Engineering final year University of Southampton Malaysia student

Visa applications

The University requires all international students (except diplomatic pass holders and Malaysian permanent residents) to hold a student pass while studying at Southampton Malaysia. Students are advised to submit the visa application form and complete documentation no less than two months before the intake date. You are advised not to enter Malaysia until you have received the original copy of the Electronic Visa Approval Letter (eVAL) issued by the Malaysian Immigration Department.

For more information, visit <https://educationmalaysia.gov.my/visa-new-application/>

IN THE UK

Meet and Greet

Our Meet and Greet Service from London Heathrow and London Gatwick airports is free of charge and is designed to get you to Southampton in time for the Welcome Programme. For more information, visit www.southampton.ac.uk/international-welcome

Visas

The University has a dedicated team of staff to provide information and advice about visas and immigration for students and will support your application for a visa to study in the UK. Our website provides information on student visas, police registration, working in the UK and has links to other useful websites.

For more information, visit www.southampton.ac.uk/ugp/visa

Weekly termtime vegetable market on Highfield Campus.



“

I chose to do my foundation at the University of Southampton Malaysia because I felt like it was the best option. The University of Southampton is one of the top universities for engineering and the programme offered a great array of scholarships as well.

I'm happy to say that the experience has been great. Classes incorporate theory and practical skills seamlessly. There's a great sense of camaraderie amongst us, due to our small population. It's not difficult at all to get hold of your lecturers whenever you need their help. There are always great ideas, and it's in the air here. I'm glad I made the right choice with this place.”

Miguel Antonio Alfonso Villarivera
Engineering Foundation Year Student, 2019

UNIVERSITY OF
Southampton
MALAYSIA



Find out more:

www.southampton.ac.uk/sb/international

ENGINEERING FOUNDATION YEAR

JPT (R/010/3/0311) 12/24 MQA/FA5359

Choose Southampton

- The Foundation Year is combined with a further four-year degree
- Provides an introduction to the key concepts of engineering
- You will receive a high level of support and feedback
- Three intakes a year - April, July and September

17

undergraduate degree disciplines on completion

TAUGHT
on campus

with a high level of learning support



You will learn through a combination of lectures, tutorials, laboratory experiments, coursework, and individual and group projects.

Course structure

This stimulating year of study will equip you with the knowledge, skills and attributes needed to successfully meet the challenges of our engineering degree programmes.

This one-year full-time course is integrated with a further four-year MEng degree, and will build your understanding of mathematics, mechanics, computer programming, electricity and electronics, and engineering principles.

Through a high level of learning support and a wide range of teaching styles, you will be encouraged to develop the academic skills needed for efficient and independent learning, preparing you for the years of study ahead.

You will be assessed through a combination of examinations and coursework activities such as formal reports and laboratory reports – all of which you will encounter during your degree.

Successful completion of this Foundation Year guarantees progression to one of our engineering degrees at the University of Southampton Malaysia and many more at the University of Southampton UK.

Subject highlights ✓

Successful completion of this Foundation Year guarantees progression to one of our engineering degrees at the University of Southampton Malaysia and many more at the University of Southampton UK.

At University of Southampton Malaysia

Aeronautics and Astronautics
Electrical and Electronic Engineering
Mechanical Engineering

At University of Southampton, UK

Acoustical Engineering
Aeronautics and Astronautics
Aerospace Electronic Engineering
Biomedical Electronic Engineering
Civil Engineering
Civil and Environmental Engineering
Computer Science
Electrical Engineering
Electrical and Electronic Engineering
Electronic Engineering
Geophysics
Mathematics
Mechanical Engineering
Mechatronic Engineering
Physics
Ship Science
Software Engineering

Typical course content

Academic and Personal Development
Communicating in English
Computer Applications
Electricity and Electronics
Engineering Principles
Fundamentals of Science and Engineering
Mathematics for Science and Engineering
Mechanical Science
Routes to Success

Key information

Our typical offers are listed below but where we have places available, students may be admitted with slightly lower grades

Sijil Pelajaran Malaysia (SPM)/O-Levels or equivalent: 5As in the science stream, including Mathematics and Physics. (Minimum B+ in Additional Mathematics required for SPM only)

IB: 32 points overall, and must not include subjects suitable for direct entry into undergraduate programmes, normally both Higher Level Mathematics and Physics

Sijil Tinggi Persekolahan Malaysia (STPM)/A level: ABB (cannot include subjects suitable for direct entry into undergraduate programmes, normally both Mathematics and Physics). However, students need to show an aptitude for Mathematics and may be asked to take a Foundation Mathematics test.

Unified Examination Certificate (UEC) – Senior Middle Level: Students studying in English with **minimum 4 Bs** (not including Art, Chinese, Malay or Mathematics)

English language: Students who achieve **band FY IELTS 5.5** overall, with a minimum of **5.5** in all components will be required to follow the language pathway where students will take the module English for Engineers and Scientists in semester one and two, as well as Communicating in English in semester zero.

Students who achieve **Band B IELTS 6.5 overall, with a minimum of 5.5 in all components (or GCE O-Level (1119) Grade C)** will only require English language classes in the first semester.

For more information on other English language qualifications approved by the University, please visit: www.southampton.ac.uk/ug/admissions-language

Application process: Apply directly via our website www.southampton.edu.my/foundation/apply

Our typical entry requirements may be subject to change. Before you apply, please visit www.southampton.edu.my/foundation/about

Intakes: April, July and September



Find out more

www.southampton.edu.my

Or to have specific questions answered:

T: +60 7 560 2560 (Malaysia)

T: +44 (0)23 8059 9699 (UK)

E: marketing.malaysia@southampton.ac.uk

YOUR UNDERGRADUATE COURSES

Aeronautics and Astronautics

Choose Southampton

- Access to world-class facilities including our wind tunnel complex, used by Formula One and Olympic athletes
- Learn by doing through our design curriculum
- MEng Aeronautics and Astronautics programmes offer a route to Chartered Engineer (CEng) status, recognised by international bodies including Board of Engineers Malaysia via the international agreement known as the Washington Accord
- Our MEng is accredited by the Royal Aeronautical Society (RAeS) and the Institution of Mechanical Engineers (IMechE)
- Flying opportunities through the Students' Union in the UK
- Students on the split-campus programme (2 years in Malaysia and 2 years in the UK) are offered the same course content and teaching quality as students in the UK for all four years



We are the **only Russell Group university** to offer degrees that combine both aeronautics and astronautics

No 6

in the UK
The Complete University Guide, 2020

93%

of aeronautics and astronautics students agreed that the course is intellectually stimulating
NSS, 2020

Testing a satellite in the thermal vacuum chamber

Our Aeronautics and Astronautics graduates are in great demand from some of the world's leading companies. Aeronautics and Astronautics covers advanced aeronautics and space applications, preparing you to design future aircraft, UAVs, race cars, jet engines, satellites and rockets, without limiting your knowledge to just one field.

Course structure

You can either choose to retain a broad-based study path with our Master of Engineering (MEng) in Aeronautics and Astronautics, or select one of our six specialised degrees. You will learn through a combination of lectures, tutorials, laboratory experiments, coursework and individual and group projects.

You will learn by doing, by studying the theoretical principles of aerospace engineering alongside practical design modules and projects. Each year you will take part in design projects and modules to develop your design skills and abilities.

We place an emphasis on innovation, process and communication, and support the realisation of unique design solutions.

This creative approach will provide you with the confidence, skills and expertise needed to lead the next generation of scientists and engineers.

Our teaching follows the semester pattern of our UK campuses. Two semesters begin at the end of September and January, with examinations in January and May.

Should you choose to exit this programme after successfully completing three years of study, you will be eligible for a Bachelor of Engineering (BEng) qualification.

The BEng route develops the same core skills as the MEng, however by choosing the MEng you will study a more extensive range of subjects at an advanced level.

Career opportunities

Recent graduates are employed at organisations including: Airbus, Dyson, European Space Agency, Jaguar Land Rover, Rolls-Royce, Surrey Satellite Technology and Formula One teams.

Our programmes are accredited by the Royal Aeronautical Society and Institution of Mechanical Engineers, and offer a route to chartered status.

Our degrees are aligned to the UK Space Agency Civil Space Strategy and we have strong links with the European Space Agency, Rolls-Royce, and other major aerospace organisations including Formula One teams.

Subject highlights ✓

YEARS ONE AND TWO IN MALAYSIA

The first two years are the same across our Aeronautics and Astronautics degrees. You will focus on core engineering science, such as aerodynamics, propulsion systems, mechanics of flight, fluid dynamics and control, giving you a professional grounding for the design and operation of air vehicles and spacecraft.

YEARS THREE AND FOUR IN THE UK

Modules in your third year will deepen your understanding of aircraft design, including their environmental impacts.

You will carry out an individual project, which brings together the concepts and skills you have learned. In the past, students have studied the deflection of asteroids, 3D printed metal jet engines, and modelling the aerodynamics of race cars for increased performance.

In year four, you will take advanced modules related to your chosen degree, and participate in a group design project, applying your engineering knowledge to solve a real-world problem.

Projects are often linked to our current research activities or supported by industry.



Further information

For information on modules available in years one and two, visit

www.southampton.edu.my/aero

For information on modules available in years three and four, visit

www.southampton.ac.uk/engineering/aero

MASTER OF ENGINEERING IN AERONAUTICS AND ASTRONAUTICS

JPT (R/525/6/0065) 09/26 MQA/FA 4644

Key information

Successful applicants typically have **AAA** or above at A level in Mathematics, and Physics, with a pass in the physics Practical* Offers typically exclude General Studies and Critical Thinking. *required if applicable

The equivalent to that would be **IB: 36 points overall**, 18 at Higher Level including 6 points in both Higher Level Mathematics and Higher Level Physics

Sijil Tinggi Persekolahan Malaysia (STPM): AA in Mathematics and Physics plus A in one other subject

Unified Examination Certificate (UEC) – Senior Middle Level: Students studying Science track in English with **minimum 4 As** including Mathematics I and II and Physics (not including Art, Chinese, Malay or Mathematics)

Diploma in Mechanical Engineering (Aeronautics), Universiti Teknologi Malaysia (UTM): First-year entry with **minimum GPA of 3.4**

Monash University Foundation Year: **Minimum of 310 overall** with 80 per cent average in Mathematics and Physics, and subject to attending an extended technical induction programme

English language: Band B IELTS 6.5 overall, with a minimum of **5.5** in all components (or GCE O-Level (1119) Grade C).

For more information on other English language qualifications approved by the University, please visit: www.southampton.ac.uk/ug/admissions-language

Application process: Apply directly via our website www.southampton.edu.my/apply

Our typical entry requirements may be subject to change. **Before you apply**, please visit www.southampton.edu.my/entry-requirements

Find out more

For more details about your course such as module information and course structure, visit

www.southampton.edu.my/aero

Or to have specific questions answered:

E: marketing.malaysia@southampton.ac.uk

Course structure

4 years | MEng Aeronautics and Astronautics

You will study the essential principles of aerospace engineering, including aerodynamics, astronautics, and propulsion, as well as to the economic, legal and environmental issues associated with aircraft and spacecraft.

4 years | MEng Aeronautics and Astronautics / Aerodynamics

This programme will provide you with the knowledge and skills to analyse and control aerodynamic behaviour. Your third and fourth years will focus on aerodynamic theory and practice for the design of vehicles, wings and propulsion systems.

4 years | MEng Aeronautics and Astronautics / Airvehicle Systems Design

This programme has an emphasis on helicopters and fixed-wing aircraft, engine design, and avionics. Using a complete vehicle systems approach, you will also learn about modern design, search and optimisation techniques.

4 years | MEng Aeronautics and Astronautics / Computational Engineering and Design

This programme will develop your knowledge of computational methods in aeronautics and astronautics with the skills to solve new and emerging aerospace design challenges using advanced computational methods.

4 years | MEng Aeronautics and Astronautics / Engineering Management

This programme will provide you with the technical skills to understand, design and manufacture innovative products, alongside the management expertise to take projects from initial concept to completion.

4 years | MEng Aeronautics and Astronautics / Materials and Structures

This programme focuses on building your knowledge of structural design and materials selection for aerospace applications.

4 years | MEng Aeronautics and Astronautics / Spacecraft Engineering

This programme will develop your knowledge of overall spacecraft system design, including subsystems and their interfaces. You will learn to design, examine and test spacecraft systems, as well as understand their environmental impact.

Mandatory modules

Year 1 | Mandatory modules

- Aircraft Operations and Flight Mechanics
- Design and Computing
- Electrical and Electronic Systems
- Mathematics
- Mechanics, Structures and Materials
- Thermofluids

Year 2 | Mandatory modules

- Aerodynamics
- Astronautics
- Engineering Management and Law
- Materials and Structures
- Mathematics
- Mechanics of Flight
- Propulsion
- Systems Design and Computing

Year 3 | Mandatory modules

- Aerospace Control Systems
- Aerothermodynamics
- Aircraft Structural Design
- Individual Project
- Introduction to Aircraft Design

Year 4 | Mandatory modules

- Advanced Management
- Group Design Project



Companies such as SpaceX, OneWeb and Samsung have recently announced plans for constellation operations, specifically hundreds to thousands of similar satellites working together to achieve a similar objective. The issue with introducing so many objects into the orbital environment is that it can cause an increase in the probability of collisions between objects. My project involved trying to compare typical avoidance strategies with each other focusing on low-thrust manoeuvres.

I chose to study at the University of Southampton Malaysia because of its more affordable tuition fee structure as well as offering a course I was very interested in – spacecraft engineering. One of the highlights of my studies was in my second year, when I represented the university in the Institution of Engineering and Technology (IET)'s Present Around the World (PATW) competition in Sydney. Additionally I was proud to be awarded a 100 per cent tuition fee scholarship in my first year of study. In the future, I want to help my country to plant a foot in the new space race.”

Sean-Michael Morais

MEng Aeronautics and Astronautics, final year University of Southampton Malaysia student

YOUR UNDERGRADUATE COURSES

Electrical and Electronic Engineering

Choose Southampton

- £110m state-of-the-art interdisciplinary cleanroom, high-voltage laboratory, and outstanding undergraduate laboratory facilities in the UK
- First in the UK for the volume and quality of our electrical and electronic engineering research (REF, 2014)
- MEng Electrical and Electronic Engineering programme provide a direct route to Chartered Engineer (CEng) status, recognised by international bodies including Board of Malaysia via the international agreement known as the Washington Accord
- Students on the split-campus programme (2 years in Malaysia and 2 years in the UK) are offered the same course content and teaching quality as students in the UK for all four years

No 1

in Europe for
Telecommunication
Engineering

ShanghaiRanking's Global Ranking
of Academic Subjects 2019

3rd

in the UK for career prospects
Graduates are in professional
roles or further study within
six months of graduation

Guardian University
Guide 2020

Our students can expect the latest technology and state-of-the-art equipment to support their degree programmes; Southampton's multi-million pound undergraduate labs offer sector leading capabilities.

Electrical and Electronic Engineering influences many aspects of modern life, ranging from energy, healthcare, entertainment and commerce, to communications, manufacturing and the environment. Electrical and Electronic Engineering is a challenging and evolving subject that is relevant to a wide range of industries, including the power sector and the electronics industry.

At Southampton, you will gain a broad spectrum of knowledge and skills required to work in the technology sector, but also the wider range of competencies needed by today's professional engineer. This breadth of knowledge is developed using a systematic approach to most subjects – blending the core technical syllabus with ongoing design exercises that run throughout the programme. In Electronics and Computer Science (ECS), you will use some of the most advanced teaching facilities in the world to put the theory you have learned in lectures into practice and deliver real results.

Course structure

We employ a combination of formal and special lectures, tutorials, classes, laboratory experiments, coursework and individual and group projects. Practical laboratory work forms an essential part of our degree programmes, providing opportunities to get to grips with key equipment in our world-class facilities and improve critical skills and judgement. We will also help you to develop key skills including written and oral presentation skills.

The teaching is structured on a semester pattern. The academic calendar will follow that of our UK campus and is comprised of two

semesters commencing at the end of September and January, with examinations at the end of January and May.

Should you choose to exit this programme after successfully completing three years of study, you will be eligible for a Bachelor of Engineering (BEng) qualification. The BEng route develops the same core skills as the Master of Engineering (MEng), however by choosing the MEng you will study a more extensive range of subjects at an advanced level.

Career opportunities

Employability is embedded in all stages of our degrees and we strive to ensure you get the career you deserve. A panel of representatives from major employers regularly meet to ensure our graduates have the required skills in this fast moving field. The technical skills you will obtain are in high demand, as are the skills of understanding and analysing problems, together with communicating the results. Our graduates have highly exciting career opportunities in some of the most advanced and leading companies in the world such as ARM, Samsung, Siemens, BAE Systems and Boeing.

Typical roles include Electronic Engineer, Electrical Engineer, Microelectronics Engineer, Embedded Systems Engineer, Instrumentation and Control Engineer, High Voltage Electrical Engineer.



Further information

For information on modules available in years one and two, visit

www.southampton.edu.my/eee

For information on modules available in years three and four, visit

www.southampton.ac.uk/ecs/eee

Subject highlights ✓

YEARS ONE AND TWO IN MALAYSIA

During your first two years at our campus in Malaysia, you will concentrate on the fundamentals of electrical and electronic engineering with an increasing emphasis on design as the course progresses. In your first year, you will study the core principles of electrical and electronic engineering. You will also spend about 50 per cent of your time in the laboratories learning and developing practical skills in designing, building, programming and testing electronic systems. In year two, you will put your learning into practice by designing and building a fully functional 'smart meter' as well as designing and testing a silicon chip. You will learn how to use professional software designing tools widely used

in the electrical and electronic industry throughout your coursework and design exercises.

YEARS THREE AND FOUR IN THE UK

In your third year of study, you will have the opportunity to choose courses from a wide selection of 60 subject modules. You will also undertake an individual design or research project based in a research group in ECS. Third-year projects from ECS have led to commercialisation and publication in journals and conferences. In the fourth year, MEng students choose from a range of modules and work on a group design project, typically developed in conjunction with an industrial partner. The contribution of these projects is highly valued by the associated companies.

MASTER OF ENGINEERING IN ELECTRICAL AND ELECTRONIC ENGINEERING

JPT (R/523/6/0119) 05/23 MQA/FA 3103

Electrical and electronic engineering drives the fundamental technologies of today's connected world. Every area of our lives, from energy supply and transmission, medicine and healthcare to industrial applications, global trade, transport, communications, entertainment and security, is dependent on electrical and electronic technology. As a result, electrical and electronic engineering is now one of the fastest growing job fields in the world and skilled electrical and electronic engineers are very much in demand.

Course Content

At Southampton, we will ensure that you have a thorough grounding in a wide range of technologies. Our project work will enable you to acquire valuable skills in teamwork, project planning, time-management and presentation, applying your learning to design and build problems, and working to a brief. All of these will stand you in good stead as you move into your career.

Programme overview

This degree develops the technical and project management skills needed to become a leader in the electrical and electronics industry. It covers topics ranging from the technologies of electrical power and control to analogue and digital electronics and computing. The first two years will cover the breadth of electrical and electronic engineering. In years three and four, you can tailor your studies according to your interests through the wide range of option modules available, examples of which are listed below.

MEng Electrical and Electronic Engineering pathways

All students on this programme gain a fundamental understanding across

electrical and electronic engineering principles. The various pathways (some of which are shown below) allow you to specialise further in particular areas by choosing optional modules.

Power Systems

Students will learn the fundamental concepts relating to the principles and design of modern electrical power systems and their impact on society. Southampton's renowned Tony Davies High Voltage Laboratory will be among the facilities available to you on this pathway.

Digital and Analogue Electronics

A thorough understanding of both digital and analogue electronics is essential for today's EEE engineers, and this pathway allows students to supplement this with optional modules in VLSI design and system-on-chip, green electronics, analogue CMOS, and medical electronics.

Computer Science / Software Engineering

Students will develop a sound understanding of using software to solve engineering design problems and prepare for work in rapidly expanding industries, including artificial intelligence, cyber security, embedded systems, and computer vision.

Artificial Intelligence

Taking modules linked to artificial intelligence will allow you to study the application and implementation of these modern techniques for image processing and computer vision, machine learning, robotic systems, smart-grid, computational biology and finance.

Nanotechnology and Photonics

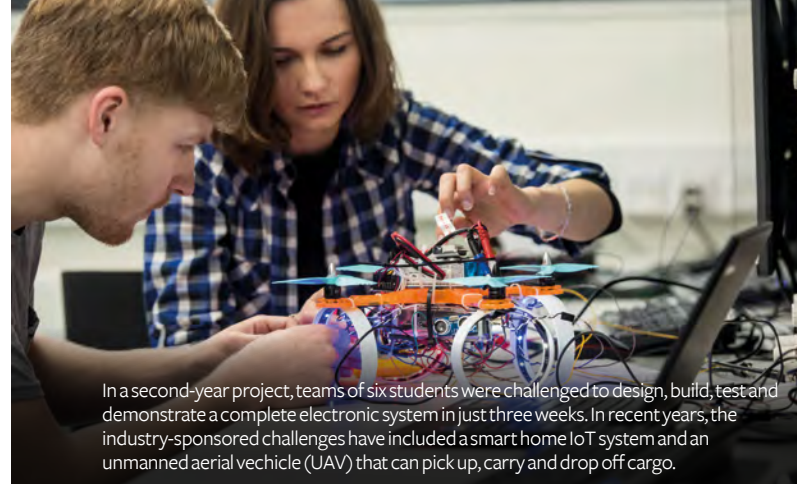
Students will learn the fundamental concepts governing semiconductor devices, fibre optics and lasers, and cleanroom fabrication techniques. MEng students have the opportunity to fabricate and characterise their own microchips in Southampton's state-of-the-art £110M Cleanroom Complex.

Communications and Control

This pathway covers communication technologies (networking, wireless communication, green communication, multimedia communications, RF transceivers) and the control of robotics (digital control, biologically-inspired robotics).

Mathematics

As a student gifted in mathematics, you can continue to develop your ability over and above the compulsory engineering mathematics that runs through the programme.



In a second-year project, teams of six students were challenged to design, build, test and demonstrate a complete electronic system in just three weeks. In recent years, the industry-sponsored challenges have included a smart home IoT system and an unmanned aerial vehicle (UAV) that can pick up, carry and drop off cargo.

Modules

Year 1 | Core modules

- Advanced Programming
- Digital Systems and Microprocessors
- Electrical Materials and Fields
- Electronic Circuits
- Electronic Systems
- Mathematics 1
- Programming
- Solid State Devices

Year 2 | Core modules

- Circuits and Transmission
- Control and Communications
- Devices*
- Digital Systems and Signal Processing
- Electrical and Electronic Engineering Design
- Electrical Machines*
- Electromagnetism
- Mathematics 2
- Power Electronics and Drives

Year 3 | Core modules

- Engineering Management and Law
- Individual Project
- Choose 4 from around 60 optional modules

Year 4 | Core modules

- Group Design Project
- Choose 5 from around 40 optional modules

Innovative teaching

Our students may enhance their practical skills in digital electronics by building and using some of our Micro Arcana family of processing boards: Il Matto (8-bit Atmel microcontroller), Il Bagatto (Altera CPLD), La Papessa (Xilinx FPGA) and L'Imperatrice (Freescale ARM9 applications processor). These boards have been designed by one of our professors to enhance student learning and include similar capabilities to the Arduino and Raspberry Pi. Once our students have built these boards, they are theirs to keep. They will use them as part of the taught programme and can use them in their personal projects.

Engineering the future

Studying Electrical and Electronic Engineering at the University of Southampton can provide an early boost to an exceptional career:

- The average starting salary for our Electronics and Computer Science graduates in the UK is £30,637, RM156,249** (Most recent Destinations of Leavers from Higher Education statistics, 2016/17)

Key information

Successful applicants typically have **AAA** or above at A level, in mathematics and either physics, further mathematics, electronics or computer science. Pass in science practical is required where applicable.

The equivalent to that would be **IB: 36 points overall**, 18 at Higher Level including 6 points in both Higher Level Mathematics and Higher Level Physics

Sijil Tinggi Persekolahan Malaysia (STPM): AA in Mathematics and Physics plus **A** in one other subject

Unified Examination Certificate (UEC) – Senior Middle Level:

Minimum 4 As including Mathematics I and II and Physics (not including Art, Chinese or Malay)

Monash University Foundation

Year: Minimum of 310 overall with 80 per cent average in Mathematics and Physics, and subject to attending an extended technical induction programme

English language: Band B IELTS 6.5 overall, with a minimum of **5.5** in all components (or GCE O-Level (1119) Grade C).

For more information on other English language qualifications approved by the University, please visit: www.southampton.ac.uk/ug/admissions-language

Application process: Apply directly via our website www.southampton.edu.my/apply

Our typical entry requirements may be subject to change.

Before you apply, please visit www.southampton.edu.my/entry-requirements



Find out more

For more details about your course such as module information and course structure, visit

www.southampton.edu.my

Or to have specific questions answered:

T: +60 7 560 2560 (Malaysia)

T: +44 (0)23 8059 9699 (UK)

E: marketing.malaysia@southampton.ac.uk

* Optional module for Year 2

** £1 = MYR5.1 as of August 2019

WHERE WILL YOUR NEW WORLD TAKE YOU?

"I decided to study at the University of Southampton due to the Electrical and Computer Science (ECS) department's consistently high rankings in the UK for both electronic and electrical engineering (EEE) and computer science. I studied the first two years of my degree in Malaysia, which offers superbly equipped laboratories world-leading industry links and a positive learning environment. The campus in Malaysia also provides smaller class sizes giving students a better cohesion, higher participation and fast learning rates.

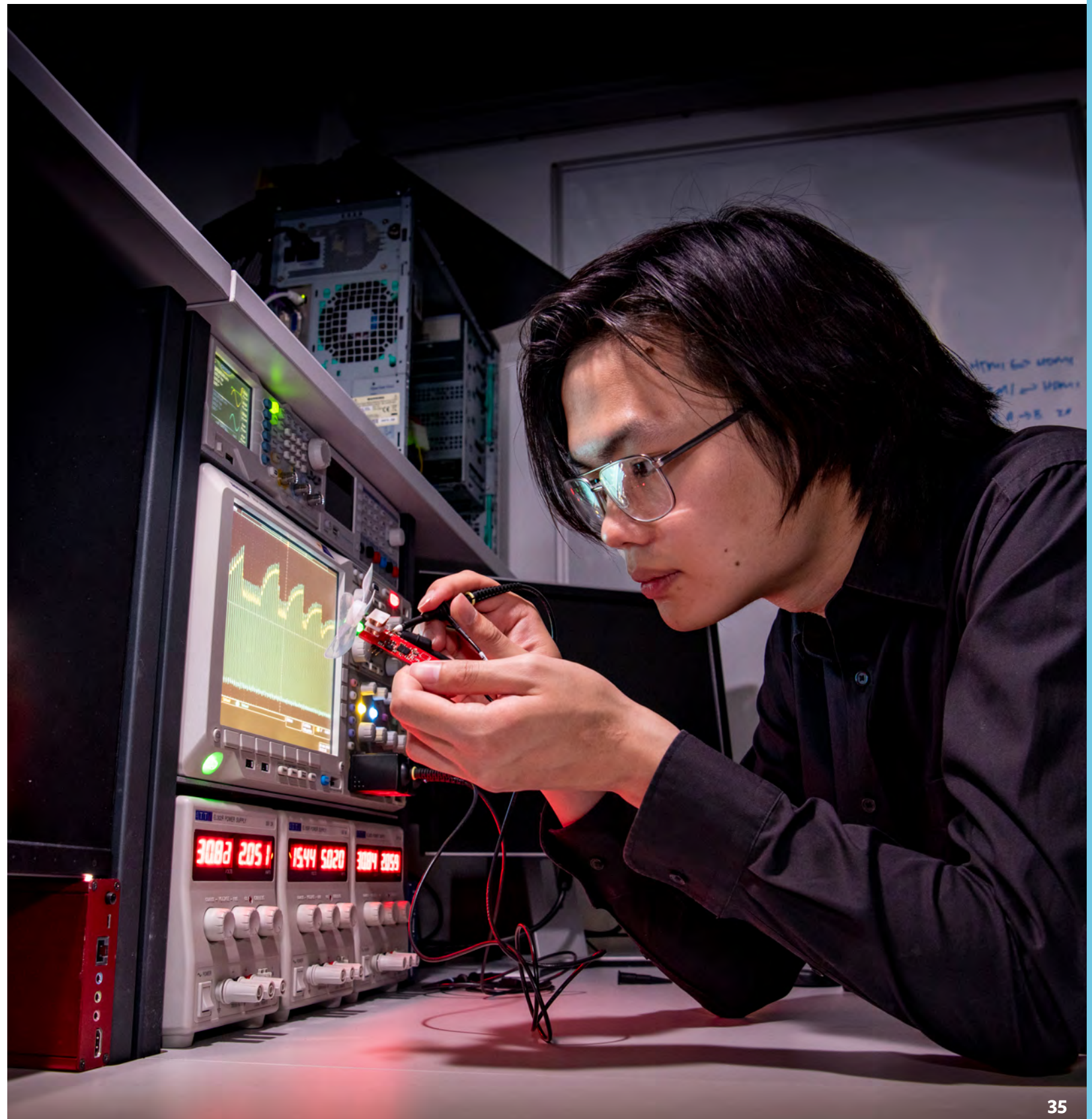
Studying in Southampton for the last two years of my degree has led to my involvement in innovative research work in the area of energy harvesting and transient computing. For my 3rd year individual project, I built a battery-less wind powered anemometer with Bluetooth connectivity (pictured). The device, is powered solely from the air flow produced when cycling, the wind-speed is used to determine the air resistance experienced by the cyclist and this data is sent to a bespoke smart phone app. The skills I have acquired and demonstrated during this project are invaluable in the niche area of transient computing research. As a result, I was offered a full-time internship last summer and part-time work on research projects during term time.

At Southampton, students in ECS are given the opportunity to have a broad exposure across the fields of electronics and computer science. I have taken advantage of this and enrolled in modules such as machine learning and cryptography. Due to the extensive opportunities, I made the easy decision to pursue a PhD in this area after graduation."

Samuel Wong
Final year, University of Southampton Malaysia student



Find out more:
www.southampton.edu.my



YOUR UNDERGRADUATE COURSES

Mechanical Engineering

Choose Southampton

- Access to world-class facilities including our wind tunnel complex, used by Formula One teams and Olympic athletes
- MEng Mechanical Engineering programmes offer a route to Chartered Engineer (CEng) status, recognised by international bodies including Board of Malaysia via the international agreement known as the Washington Accord
- Degrees accredited by the Institution of Mechanical Engineers (IMechE) in the UK
- Learn by doing through our design curriculum
- Students on the split-campus programme (2 years in Malaysia and 2 years in the UK) are offered the same course content and teaching quality as students in the UK for all four years

No.4

for Mechanical Engineering

*The Times and Sunday Times
Good University Guide, 2020*

93%

employed or in further study six months after graduation

DLHE 2016/17

Fourth-year students testing a system that measures the aerodynamic efficiency of a cyclist, to ultimately improve a rider's aerodynamic position and performance.

Mechanical Engineering involves the design, construction and operation of mechanical systems, and brings together creativity and design with mathematical and scientific principles. Mechanical engineers use their creative, managerial, technical, and analytical skills to develop next-generation technologies across a broad range of industries.

Course structure

You can either choose to retain a broad-based study path with our Master of Engineering (MEng) in Mechanical Engineering, or select one of our ten specialised degrees. You will learn through a combination of lectures, tutorials, laboratory experiments, coursework, problem-solving exercises and individual and group projects.

At Southampton you will learn by doing, by studying the theoretical principles of mechanical engineering alongside practical design modules and projects. Each year you will take part in design projects and modules to develop your design skills and abilities.

We place an emphasis on innovation, process and communication, and support the realisation of unique design solutions.

This creative approach will provide you with the confidence, skills and expertise needed to lead the next generation of scientists and engineers.

Our teaching follows the semester pattern of our UK campuses. Two semesters begin at the end of September and January, with examinations in January and May. Each module contributes to your final degree.

Should you choose to exit this programme after successfully completing three years of study, you will be eligible for a Bachelor of Engineering (BEng) qualification.

The BEng route develops the same core skills as the MEng, however by choosing the MEng you will study a more extensive range of subjects at an advanced level.

Career opportunities

Recent graduates are employed at organisations including: Aston Martin Lagonda, Babcock, Dyson, ExxonMobil, Malaysia Airlines, Rolls-Royce, Siemens, and Formula One teams.

Our programmes are accredited by the Institution of Mechanical Engineers, and offer a route to chartered status.

Links with industry are strong throughout your degree, with opportunities ranging from careers talks, through to projects led by organisations such as Siemens.

Subject highlights ✓

YEARS ONE AND TWO IN MALAYSIA

The first two years are the same across our Mechanical Engineering degrees. You will learn the essential principles of mechanical engineering, as well as law and management, systems design, and modelling and computing, in order to take a product from initial concept to the marketplace.

YEARS THREE AND FOUR IN THE UK

Modules in your third year will deepen your understanding of the relationship between design,

manufacturing and materials' properties. You will also carry out an individual project, which brings together the concepts and skills you have learned. In the past, students have studied topics ranging from orthopaedic biomechanics to electric vehicles.

In year four you will take advanced modules related to your chosen degree and participate in a group design project, applying your engineering knowledge to a design problem.

Projects are often linked to current research activities or supported by industry.



Further information

For information on modules available in years one and two, visit

www.southampton.edu.my/mech

For information on modules available in years three and four, visit

www.southampton.ac.uk/mech-ug

MASTER OF ENGINEERING IN MECHANICAL ENGINEERING

JPT (R/521/6/0023) 01/22 MQA/FA 0811

Choose Southampton



Access to **world-class facilities, including our wind tunnel** complex, used by Formula One and Olympic athletes

4 years | MEng Mechanical Engineering

This programme covers the essential principles of mechanical engineering, such as mechanics, structures and materials, design and computing. You will extend your knowledge and skills in your third and fourth years, taking part in individual and group projects.

4 years | MEng Mechanical Engineering/Acoustical Engineering

This course will provide you with the knowledge to focus on the analysis, control and design of sound and vibration and will provide you with wide-ranging acoustical engineering skills.

4 years | MEng Mechanical Engineering/Advanced Materials

This course will provide you with in-depth knowledge of the properties of both established and novel materials that are essential in modern engineered systems.

4 years | MEng Mechanical Engineering/Aerospace

This course will develop your expertise in aerospace systems, whilst maintaining the broad-based background associated with mechanical engineering.

4 years | MEng Mechanical Engineering/Automotive

This programme focuses on a broad range of design and operational aspects related to automobile systems, from car structure and dynamics, to noise and vibration issues, and human factors.

4 years | MEng Mechanical Engineering/Biomedical Engineering

This programme blends engineering with biological and medical aspects of healthcare technologies. You will develop expertise to enable you to solve challenges faced in the design, materials selection, development, and testing of medical implants and other devices.

4 years | MEng Mechanical Engineering/Computational Engineering and Design

During your degree, you will learn how to leverage sophisticated software to design complex technologies, and how to code and implement your own models and simulations.

4 years | MEng Mechanical Engineering/Engineering Management

This course will provide you with the technical skills to understand, design and manufacture innovative products, alongside the management expertise to take projects from initial concept to completion.

4 years | MEng Mechanical Engineering/Mechatronics

This programme will provide you with specialist expertise in the integration of electrical and mechanical systems. You will study and practise mechanical, electrical, and control engineering to develop smarter machines ranging from autonomous robots to self-driving cars.

4 years | MEng Mechanical Engineering/Naval Engineering

This programme has been developed in conjunction with the Royal Navy. You will study marine engineering, ship science and marine craft concept design, alongside the key principles of mechanical engineering.

4 years | MEng Mechanical Engineering/Sustainable Energy Systems

This programme explores sustainable energy technologies such as wind turbines, solar cells, batteries and fuel cells, combined with a holistic view of societal aspects of energy, its distribution and use.



A student undertaking biomedical imaging of bone cells using an electron microscope

“I enjoy the process of designing and manufacturing. Using engineering principles to shape an idea, then present it to the real world, is an amazing prospect, and this course helps me achieve that.”

Ryan Prasad
MEng Mechanical Engineering, 2018
University of Southampton Malaysia



Take part in international competitions including Formula Student

Modules

Year 1 | Mandatory modules

- Design and Computing
- Electrical and Electronic Systems
- Mathematics
- Mechanics, Structures and Materials
- Mechanical Systems Analysis
- Thermofluids

Year 2 | Mandatory modules

- Electronics, Drives and Control
- Engineering Management and Law
- Fluid Mechanics
- Materials and Structures
- Mathematics
- Mechanics, Machines and Vibration
- Systems Design and Computing
- Thermodynamics

Year 3 | Mandatory modules

- Engineering Design with Management
- Individual Project
- Manufacturing and Materials
- Finite Element Analysis in Solid Mechanics
- Heat Transfer and Applications

Year 4 | Mandatory modules

- Group Design Project

Key information

Successful applicants typically have **AAA** or above at A level in Mathematics, and Physics, with a pass in the Physics Practical* Offers typically exclude General Studies and Critical Thinking. *required if applicable

The equivalent to that would be **IB: 36 points overall**, 18 at Higher Level including 6 points in both Higher Level Mathematics and Higher Level Physics

Sijil Tinggi Persekolahan Malaysia (STPM): AA in Mathematics and Physics plus A in one other subject

Unified Examination Certificate (UEC) – Senior Middle Level:

Students studying Science track in English with **minimum 4 As** including Mathematics I and II and Physics (not including Art, Chinese, Malay or Mathematics)

Diploma in Mechanical Engineering (Aeronautics), Universiti Teknologi Malaysia (UTM): First-year entry with **minimum GPA of 3.4**

Monash University Foundation
Year: Minimum of 310 overall with 80 per cent average in Mathematics and Physics, and subject to attending an extended technical induction programme

English language: Band B IELTS 6.5 overall, with a minimum of **5.5** in all components (or GCE O-Level (1119) Grade C).

For more information on other English language qualifications approved by the University, please visit: **www.southampton.ac.uk/ug/admissions-language**

Application process: Apply directly via our website **www.southampton.edu.my/apply**

Our typical entry requirements may be subject to change.

Before you apply, please visit **www.southampton.edu.my/entry-requirements**



Find out more

For more details about your course such as module information and course structure, visit

www.southampton.edu.my

Or to have specific questions answered:

T: +60 7 560 2560 (Malaysia)

T: +44 (0) 23 8059 9699 (UK)

E: marketing.malaysia@southampton.ac.uk

EMBRACE YOUR NEW WORLD

What will your new world investigate?

The different failure behaviours in Carbon Fibre Reinforced Polymers (CFRP)

“Structural integrity of engineering materials is an important aspect in engineering design, especially for structures in safety critical industries. The objective of my Individual Project was to investigate the different failure behaviours in Carbon Fibre Reinforced Polymers (CFRP). The micro computed tomography (CT) scanner (ZEISS Xradia 510 Versa) was used to scan the samples with multi-scale resolutions. This CT scanner can achieve sub-micron resolutions for samples within the millilitre to centimetre range. I gained valuable experience being exposed to composite materials and my project strengthened my analytical skills as well as giving me the opportunity to learn a new skill of image processing.

I chose to study MEng Mechanical Engineering, majoring in aerospace as I have always been interested in aircraft and aerodynamics. The flexibility of my degree programme has allowed me to personalise my learning and specialise in modules which interest me. My project supervisors provided technical guidance which helped me learn so much and they were extremely helpful and encouraging. As a result, I hope to pursue a career in the aviation industry, specialising in the failure of aircraft structures and composites.”

Ariana Quek

MEng Mechanical Engineering/Aerospace,
final year University of Southampton
Malaysia student



Find out more:

www.southampton.ac.uk/ariana

APPLYING AND FUNDING

At Southampton we aim to attract the most talented students from all backgrounds, who enjoy challenging thinking and the excitement of research-led teaching.



How and when to apply

- Apply directly from our website
- Applications are taken throughout the year for all programmes
- We strongly advise you to apply as early as possible
- Completed undergraduate documents should be emailed to **admissions.malaysia@southampton.ac.uk**
- Completed Foundation Year documents should be emailed to **UoSM.foundation@southampton.ac.uk**

Step one

To apply to the University of Southampton Malaysia, please complete the application form available at: **www.southampton.edu.my/application**

Partially completed forms cannot be processed and will lead to delays in the consideration of your application. In addition to the fully completed application form, we require the following documents to be submitted. Your application cannot be processed without these documents:

- One academic reference
- Transcripts showing previous academic awards
- Your current academic transcripts or forecast result
- Evidence of your English language qualifications
- A copy of your identity card or passport biographical data page

Your completed application and documents should be emailed to **admissions.malaysia@southampton.ac.uk**

Step two

Once we have received your application, an acknowledgement email will be sent to you from the Southampton Malaysia Admissions office.

Step three

Your application will be considered by our Admissions team and you will be notified of their decision by email.

Entry requirements

We accept a wide variety of international qualifications for entry to our courses that must be accompanied by an English language qualification recognised by the University of Southampton. For the latest information about our academic entry requirements, visit:

- For undergraduate degrees: **www.southampton.edu.my/entry-requirements**
- For Engineering Foundation Year: **www.southampton.edu.my/foundation/about**

Accepting an offer

Step one

To accept your offer to study at University of Southampton Malaysia, complete the Reply to Offer form sent to you with your offer letter and return it by email to the Admissions team.

Engineering Foundation Year please email **UoSM.foundation@southampton.ac.uk**

Undergraduate acceptances should be sent to **admissions.malaysia@southampton.ac.uk**

The form should be returned to this email address no more than 30 days after the date on your offer letter.

Step two

On receipt of your completed Reply to Offer form, an email will be sent to you from the Admissions team confirming your acceptance.

Step three

Once you have accepted your unconditional offer or have met the academic conditions set out in your conditional offer to study at University of Southampton Malaysia an invoice for a non-refundable deposit of RM1,000 will be sent to you by email. The deposit amount will be deducted from your first semester tuition fees and an official receipt will be issued to you once payment has been received.

Step four

Once we have received your deposit we will send you the following information;

- Accommodation Information
- Application Pack
- Visa Pack

Deadlines for completing the Visa Pack are:

- Engineering Foundation Year (April Intake): 28 February 2020
- Engineering Foundation Year (July Intake): 15 May 2020
- Engineering Foundation Year (Sept Intake): 10 July 2020
- Undergraduate Programmes (Sept Intake): 30 July 2020

Step five

Once we have received your deposit we will send you the Accommodation Information and your Applicant Kit. You will receive enrolment and induction information approximately one month prior to the start of your course.

10 APRIL 2020

Engineering Foundation Year April Intake

26 JUNE 2020

Engineering Foundation year July Intake

21 AUGUST 2020

Engineering Foundation Year September Intake

18 SEPTEMBER 2020

Malaysian students for Undergraduate programmes

APPLICATION TIMELINE

- Application deadlines for Malaysian Students
- Application deadlines for International Students

14 FEBRUARY 2020

Engineering Foundation Year April Intake

15 MAY 2020

Engineering Foundation Year July Intake

26 JUNE 2020

Engineering Foundation Year September Intake

17 JULY 2020

Undergraduate programmes



Find out more:

www.southampton.edu.my/apply

FEES AND SCHOLARSHIPS



Undergraduate Programmes

For undergraduate students the cost of obtaining an engineering degree at University of Southampton Malaysia (two years in Malaysia and two years in the UK) is around 62 per cent* of the cost of obtaining the same degree in the UK only. You will also make additional savings on living expenses and accommodation by studying in Malaysia for the first two years rather than only in the UK.

	Fees 2020/21	
	Malaysian students	International students
Years 1 and 2 (in Malaysia)	RM51,700 per annum	RM59,950 per annum
Years 3 and 4 (in the UK)	£21,580 per annum†	£21,580 per annum†

† The fees listed for years 3 and 4 (in the UK) will be subject to a 20% Transition Bursary for all students who successfully progress from year two at our campus in Malaysia to years three and four at our campus in Southampton.

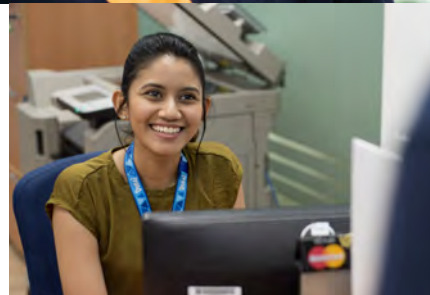
Tuition fees for years 1 and 2 are payable in Malaysian Ringgits. Tuition fees for years 3 and 4 are payable in UK pounds sterling. Fees shown are fixed for the duration of the programme. For the latest information on fees, visit www.southampton.edu.my/fees

Engineering Foundation Year

The Engineering Foundation Year is a one-year preparatory course, which then leads to a four-year (MEng) degree programme. For students who complete the foundation year and go on to follow a four year undergraduate degree programme with us the overall cost in tuition fees is around 57 per cent* of the cost of completing the same programmes in the UK.

	Fees 2020/21
Malaysian students	RM28,500
International students	RM34,100

* This figure is based on fees for Malaysian nationals and uses the exchange rate £1 = MYR 5.1 as of August 2019. The cost of studying the same degree in the UK (4 years in the UK) is £21,580 per annum.



Cost of Living

In Malaysia

If you are unaccompanied, the cost of living in Malaysia (in addition to tuition fees) is usually around RM1,200 – RM1,500 per month.

In the UK

If you are unaccompanied, the cost of living (in addition to tuition fees) is usually around £9,135 per academic year.

These figures should cover your accommodation, food, daily travel, books, stationery, dissertation preparation and other items.



Find out more:
www.southampton.edu.my/fees

All applicants to University of Southampton Malaysia will be eligible for scholarships. These are based on academic excellence and achievement and are open to both Malaysian and international applicants. All scholarships are bond-free.

Undergraduate Scholarships

Top Achiever Scholarship: 100 per cent scholarships are awarded to all students achieving a minimum of 4A*s in A levels (or 3A*s and 1 A) (4 A1 in UEC) or equivalent. The scholarships are a reduction of tuition fees. No separate application is needed, students are automatically considered. These scholarships do not include living expenses, and are applicable to year one entry students and for the first year of study only. Students must complete their degree at the University of Southampton.

Exceptional Achiever Scholarship: 60 per cent scholarships are awarded to all students achieving a minimum of 3A*s in A levels (3 A1 in UEC) or equivalent. The scholarships are a reduction of tuition fees. They are applicable to year one entry students and for the first year of study only. No separate application is needed, students are automatically considered.

High Achiever Scholarships: 25 per cent scholarships are awarded to all students achieving A*A*A in A levels (2 A1 in UEC) or equivalent. The scholarships are a reduction of tuition fees. They are applicable to year one entry students and for the first year of study only. No separate application is needed, students are automatically considered.

Transition Bursaries: 20 per cent scholarships are awarded to all students who successfully progress from Year 2 at our campus in Malaysia to Years 3 and 4 at our Southampton Campus. Students must study and complete both years one and two at University of Southampton Malaysia in order to receive this scholarship. The bursary is a reduction in tuition fees. No separate application is needed, students are automatically considered.

Foundation Year Scholarships

The University offers a wide range of scholarships to Foundation Year applicants. No separate application is needed, students are automatically considered for all Foundation Year scholarships.

Top Achievers Scholarships: 100 per cent scholarships are awarded to all students achieving a minimum of 8A+ and above in SPM or 8A* in O level or equivalent.

50 per cent scholarships are awarded to all students achieving 10 As or 6A+/6A* in SPM/O level or equivalent.

25 per cent scholarships are awarded to all students achieving 8-9 As or 5A+/5A* in SPM/O level or equivalent.

10 per cent scholarships are awarded to all students achieving 5-7 As or 4A+/4A* in SPM/O level or equivalent.

* Must include A in Physics and Mathematics, and minimum B+ in Additional Mathematics.

Dean's Progression Scholarships: Scholarships are awarded to all students who successfully progress onto an undergraduate programme at the University of Southampton Malaysia.

- 10 per cent reduction of year one fees to all students with a minimum average of 80 per cent in the Foundation Year.
- 20 per cent reduction of year one fees and guaranteed Summer Internship for students with a minimum average of 85 per cent in Foundation Year.
- 100 per cent reduction of year one fees and guaranteed Summer Internship for students with an average of 90 per cent and above in Foundation Year.

Scholarships do not include living expenses and are a reduction in fees. The scholarships are non-transferable and only apply whilst the recipient remains a registered, full-time, active student at University of Southampton Malaysia for the duration of the programme. Scholarship recipients must complete years 1 & 2 of the Undergraduate programme at the University of Southampton Malaysia after completion of the Engineering Foundation Year. The recipient will need to refund the scholarship amount in full in the event of a change of university.

External sponsorship bodies University of Southampton Malaysia applicants are also eligible to apply for external scholarships from:

- Yayasan Telekom Malaysia
- Yayasan Tenaga Nasional
- Kumpulan Yayasan Sabah
- MAXIS
- and others



Find out more:
www.southampton.edu.my/scholarships

INTERNSHIPS

We have excellent links with industry and encourage our students to start preparing for their future career by finding an internship. Our students have found their placements to be extremely valuable as they have learned new skills, gained more knowledge, built industrial contacts and improved their confidence.

"I have always been interested in seeing how I can apply the knowledge I obtain in classes and I believe doing an internship provides me with the best platform to do this.

In my internship with BP I was asked to manage the Fire and Gas System on an offshore platform which was in the process of going obsolete. This involved working on gas detectors, which is an essential part of safety offshore, as well as upgrading a Programmable Logic Controller. The job itself required a lot of technical knowledge and research as well as meetings with vendors to source suitable products.

To my surprise, the project I was working on had a huge impact on the company, saving 28.7 MBOE (thousand barrels of oil equivalent)

which is roughly £2 million a year in annualized deferrals.

I now understand that merely possessing knowledge is not enough, it is what you do with it that matters the most. In my final year of university, I will continuously find ways to apply the knowledge I have gained.

The internship has broadened my perspective of the industry. I now know much more about the Oil & Gas and the Service industry from both technical as well as business aspects. My core interests remain the same but I have now realised that applications are much more vast than I initially envisioned."

Ravivarma Vikneswaren Sridharan
MEng Electrical and Electronic Engineering
BP, UK

Find out more:
www.southampton.edu.my/internships

YOUR STUDENT SUPPORT

Students from more than 135 different nations currently study with us and our network of university partnerships spans the globe.

SUPPORT IN MALAYSIA (Years one and two and Foundation Year)

Meet Us

Visiting the University is a great opportunity to see the campus and find out what it's really like to live and study here. Find out about our Open Days by visiting www.southampton.edu.my/visitus

Welcome Programme

We provide support to all new students which includes information about studying and living in Malaysia.

E-Learning

Students at our Malaysia and Southampton campuses will have access to the same online resources and guidance materials, including information on careers and employment. Our libraries hold some three million books and journals, many in electronic format so you can access them wherever you are.

Enabling Services

The University of Southampton is committed to providing a range of quality services and support for students with disabilities, health conditions, and specific learning difficulties. It is important to get in touch with Enabling Services before you come to the UK for year three so any support you need is in place ready for your arrival.

Pastoral Support

We recognise that university life is not just about your studies. You will be assigned a personal tutor, both in Malaysia and on arrival in Southampton and they can provide help and support on academic and personal issues.

Transition to UK

We provide comprehensive guidance when you move from our campus in Malaysia to our Southampton campus for your third year of study. These include a key activities timetable, a buddy scheme and advice on applying for visas and opening bank accounts. For more information, visit www.southampton.edu.my/transition

SUPPORT IN THE UK (Years three and four)

Welcome Programme

In September each year our Welcome Programme is designed to help students settle in to life at the University.

Student Services Centre

Situated at the heart of the Highfield Campus, our team are committed to helping you find the support and information that is right for you. The centre can provide help and advice on a number of subjects including fees, accommodation and financial assistance.

T: +44(0)23 8059 9599
E: ssc@southampton.ac.uk
www.southampton.ac.uk/ssc

Careers and Employability Service

The support the Careers and Employability service offers students includes careers fairs, work-based learning opportunities and a range of workshops to develop your skills for graduate employment.

Counselling Service

The Service offers a confidential short-term counselling service for students who would benefit from talking through difficulties impacting on their life or studies.

Faith and Reflection Centre

The University Faith and Reflection Centre provides opportunities for individuals to maintain and explore their faith and beliefs. Faith facilities on campus include the Faith and Reflection Centre and the Muslim prayer room.

First Support

The team is the first point of call for students who are experiencing difficulty or are in crisis and is available when you transfer to Southampton.

For more information, visit www.southampton.ac.uk/edusupport/contact.page

Students' Union Advice Centre

Independent support is important so the Union's Advice Centre offers free, confidential and impartial advice on matters including student finance, debt management, budgeting, academic issues and housing.

www.susu.org/advicecentre

Student Life

The Student Life Team are dedicated to supporting student wellbeing and enhancing the student experience. Available 24 hours a day, seven days a week, Student Life are based within Halls of Residence and support all University of Southampton students.

Find out more:
www.southampton.edu.my

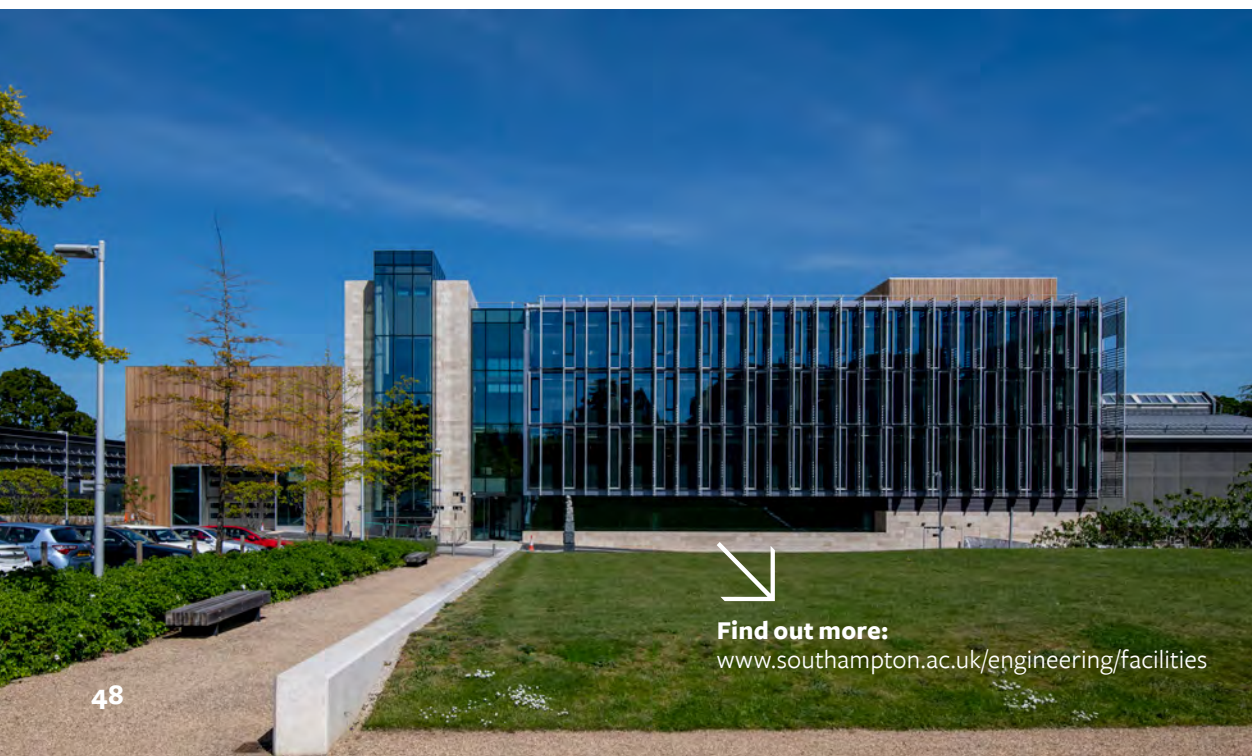
NEW £48M INFRASTRUCTURE LABORATORY

Our new £48m National Infrastructure Laboratory at Boldrewood Innovation Campus houses state-of-the-art teaching and research facilities for students and researchers studying heavy structures and solid mechanics, geomechanics, multi-scale materials testing and infrastructure engineering.

Our facilities will be used to develop new understandings of the behaviour of large structures and structural components, with an emphasis on cities and infrastructure and the rail and maritime sectors.

A major focus of the laboratory will be to meet the future challenges of rail transport; developing more cost-effective ways of designing and constructing new infrastructure, such as helping to improve resilience of the network to the effects of climate change and increasing demands. The University's current work in this area is supported by industry partners such as Network Rail, HS2, National Grid and EDF.

The Laboratory was funded by government and industry as part of the UK Collaboratorium for Research in Infrastructure and Cities (UKCRIC). It complements our experimental hydromechanics facilities at Boldrewood Innovation Campus, including our 138m towing tank and world-leading fluids research laboratory, both used for teaching as well as research and enterprise.



Find out more:
www.southampton.ac.uk/engineering/facilities

TERMS AND CONDITIONS

The University's Charter, statutes, regulations and policies are set out in the University Calendar and can be accessed online at www.calendar.soton.ac.uk

Terms of use

This prospectus does not constitute an offer or invitation by the University of Southampton and/or USMC Sdn Bhd (both referred to as the "University" or "We" herein) to study at its Southampton or Malaysia campuses. It provides an overview of the University and life at Southampton and Malaysia, along with information about relevant undergraduate programmes available at the time of publication. This is provided for information purposes only. Applications made to the University should be made based on the latest programme information made available by the University. Relevant weblinks are shown throughout. Please also consult the programme information online for further details or for any changes that have appeared since first publication of the prospectus. The information contained in the prospectus, welcome guides or on our websites is subject to change and may be updated by the University from time to time to reflect intellectual advances in the subject, changing requirements of professional bodies and changes in academic staff members' interests and expertise. Changes may also occur as a result of monitoring and review by the University, external agencies or regulators.

Programme Validation

Validation is the process by which the University approves its programmes of study. Any taught undergraduate and postgraduate programme leading to a University of Southampton award, including research degrees with a taught component (e.g. Engineering Doctorate) are required to go through Programme Validation. The full validation process can be found in the University's Quality Handbook: www.southampton.ac.uk/quality

1. Change or discontinuance of programmes

The University of Southampton will use all reasonable efforts to deliver advertised programmes and other services and facilities in accordance with the descriptions set out in the prospectuses, student handbooks, welcome guides and website. It will provide students with the tuition and learning support and other services and facilities so described with reasonable care and skill. We undertake a continuous review of our programmes, services and facilities to ensure quality enhancement. We are largely funded through public and charitable means and are required to manage these funds in an efficient and cost-effective way for the benefit of the whole of the University community. We therefore, reserve the right where necessary to:

- alter the timetable, location, number of classes, content or method of delivery of programmes of study and/or examination processes, provided such alterations are reasonable;
- make reasonable variations to the content and syllabus of programmes of study (including in relation to placements);
- suspend or discontinue programmes of study (for example, because a key member of staff is unwell or leaves the University);
- make changes to our statutes, ordinances, regulations, policies and procedures which we reasonably consider necessary (for example, in the light of changes in the law or the requirements of the University's regulators). Such changes if significant will normally come into force at the beginning of the following academic year or, if fundamental to the programme, will normally come into force with effect from the next cohort of students;
- close programmes of study or to combine or merge them with others (for example, because too few students apply to join the programme for it to be viable).

However, any revision will be balanced against the

requirement that students should receive the educational service expected. The University's procedures for dealing with programme changes and closures can be found in our Quality Handbook at www.southampton.ac.uk/quality

If the University closes, discontinues or combines a programme of study or otherwise changes a programme of study significantly (the 'Change'), the University will inform applicants (or students where relevant) affected by the Change at the earliest possible opportunity.

- If the Change comes into force **before** the University has made an **offer** of a place or before an applicant has accepted an offer of a place, an applicant will be entitled to withdraw his or her application, without any liability to the University, by informing the University in writing within a reasonable time of being notified of the Change.
- If the Change comes into force **after** an **offer** has been accepted but prior to the student **enrolling**, the student may either:
 - withdraw from the University and be given an appropriate refund of tuition fees and deposits, or
 - transfer to another available programme (if any) as may be offered by the University for which the student is qualified.

If in these circumstances the student wishes to withdraw from the University and to apply for a programme at a different university, the University shall use its reasonable endeavours to assist the student.

- If the Change comes into force **after** a student has **enrolled**, the University will use reasonable endeavours to teach the programme out but cannot guarantee to do so. If the University cannot teach out a programme of study, it will use its reasonable endeavours to facilitate the transfer of a student to an equivalent programme for which the student is qualified and which has places available within the University or at a different university. Any revision will be balanced against the requirement that students should receive the educational service expected.

All changes will be managed in line with our Student Protection Plan.

2. Changes to services or facilities

The University will make available to students such learning support and other services and facilities as it considers appropriate, but may vary what it provides from time to time (for example, the University may consider it desirable to change the way it provides library or IT support).

3. Financial or other losses

The University will not be held liable for any direct or indirect financial or other losses or damage arising from such closures, discontinuations, changes to or mergers of any programme of study, service or facility. Upon acceptance by an applicant of an offer of a place at the University, the relationship between the applicant and the University becomes contractual. When the contract is formed between the student and the University it will last for the relevant academic year only unless the student withdraws from the programme or the programme is terminated.

Please note: the right of a student to withdraw from a programme of study under the provisions set out in paragraph 1b. above following a Change are in addition to any statutory rights of cancellation that may exist under the Consumer Contracts (Information, Cancellation and Additional Charges) Regulations 2013. In entering into that contract, the terms of the contract will not be enforceable by any person not a party to that contract under the Contracts (Rights of Third Parties) Act 1999.

Student Protection Plan

As a registered provider of higher education with the Office for Students, we have a Student Protection Plan (SPP) in place, which sets out what students can expect to happen should a course or campus close. The purpose of this plan is to ensure that students can continue and complete their studies, or can be compensated if this is not possible.

Full details of the plan can be found at www.southampton.ac.uk/protection-plan

Force majeure

The University will not be held liable for any loss, damage or expense resulting from any delay, variation or failure in the provision of programmes of study, services or facilities arising from circumstances beyond the University's reasonable control, including (but not limited to) war or threat of war, riot, civil strife, terrorist activity, industrial dispute, natural or nuclear disaster, adverse weather conditions, interruption in power supplies or other services for any reason, fire, boycott and telecommunications failure. In the event that such circumstances beyond the reasonable control of the University arise, it will use all reasonable endeavours to minimise disruption as far as it is practical to do so provided that such endeavours do not undermine the University's Quality Assurance requirements.

Admissions Policy and complaints

The University will assess applications in line with its then current Admissions Policy. This policy is reviewed at least annually. The Admissions Policy, current at the time of publication, is published online and is available at www.calendar.soton.ac.uk/sectionIV/admissions.html

Before you apply please see subject websites listed for subject-specific terms and conditions.

Applicants may raise complaints related to admissions under the University's Regulations Governing Complaints from Applicants, which can be found at www.calendar.soton.ac.uk/sectionIV/admissions.html

In the first instance complaints will be handled by the Admissions team at University of Southampton Malaysia Campus. Email admissions.malaysia@soton.ac.uk

Further information about or clarification of these procedures is available from the Admissions team, Student and Academic Administration, University of Southampton, Southampton SO17 1BJ; enquiry@southampton.ac.uk

Data protection

During the application procedure, the University will be provided with personal information relating to the applicant. An applicant's personal data will be held and processed by the University of Southampton in accordance with the requirements of the Data Protection Act 1998 and by USMC Sdn Bhd in accordance with the requirements of the Personal Data Protection Act 2010. Please also see our Privacy Notice for Applicants at www.southampton.ac.uk/about/governance/policies/privacy-notice-applicant.page

© University of Southampton 2019

A copy of this prospectus and the University's current information for students with disabilities and specific learning difficulties can be made available, on request, in alternative formats, such as electronic, large print, Braille or audio, and, in some cases, other languages. Published and produced by Communications and Marketing 2019

Photographs courtesy of Jon Banfield, and staff and students of the University

MoHE registration number
DULN006(J)

HOW TO FIND US

Malaysia

Southampton Malaysia is located near the southwestern tip of Malaysia, about four-hours drive south of Malaysia's capital city, Kuala Lumpur.

The campus is located within the EduCity development in a regional city called Iskandar Puteri, Johor. A 305-acre site dedicated to education, EduCity is modelled on the Dubai Knowledge city.

Iskandar Puteri is accessible from the North-South Expressway, which links all major cities on the West Coast of Peninsular Malaysia between Thailand and Singapore. The North-South Expressway is also connected to other major expressways including the Malaysia-Singapore Second Crossing, also known as the Second Link.

EduCity lies within 60 minutes of Singapore Changi International Airport and 30 minutes of Senai International Airport. Central Singapore is approximately a 40-minute drive away.

University of Southampton Malaysia Campus (USMC) (DULN006(J))
Persiaran Canselor 1, Kota Ilmu
EduCity @ Iskandar
79200 Nusajaya
Johor Darul Takzim. (913717-X)



UK

Southampton is located just over one hour from central London, on the south coast of England. We are surrounded by areas of natural beauty including the New Forest and the Isle of Wight, and connected to the rest of the UK and Europe through superb road, rail, air and sea links.

Our Southampton campuses are well connected to the national road network. The M3 motorway links Southampton directly to London.

Southampton Airport is approximately 10 minutes from our Southampton campuses by bus or taxi. There is a full UK domestic service, as well as flights to mainland Europe,

including Schiphol Amsterdam, and the Channel Islands. If you are arriving in the UK via London Gatwick or London Heathrow airports, you can reach Southampton by road, bus, coach and rail.

We run the award-winning unilink bus service that connects our Southampton campuses with all the major transport links in the city. You can buy tickets at the unilink office or on the bus.

Southampton is the cultural and commercial capital of the south coast.



Find out more:
www.southampton.edu.my/campus