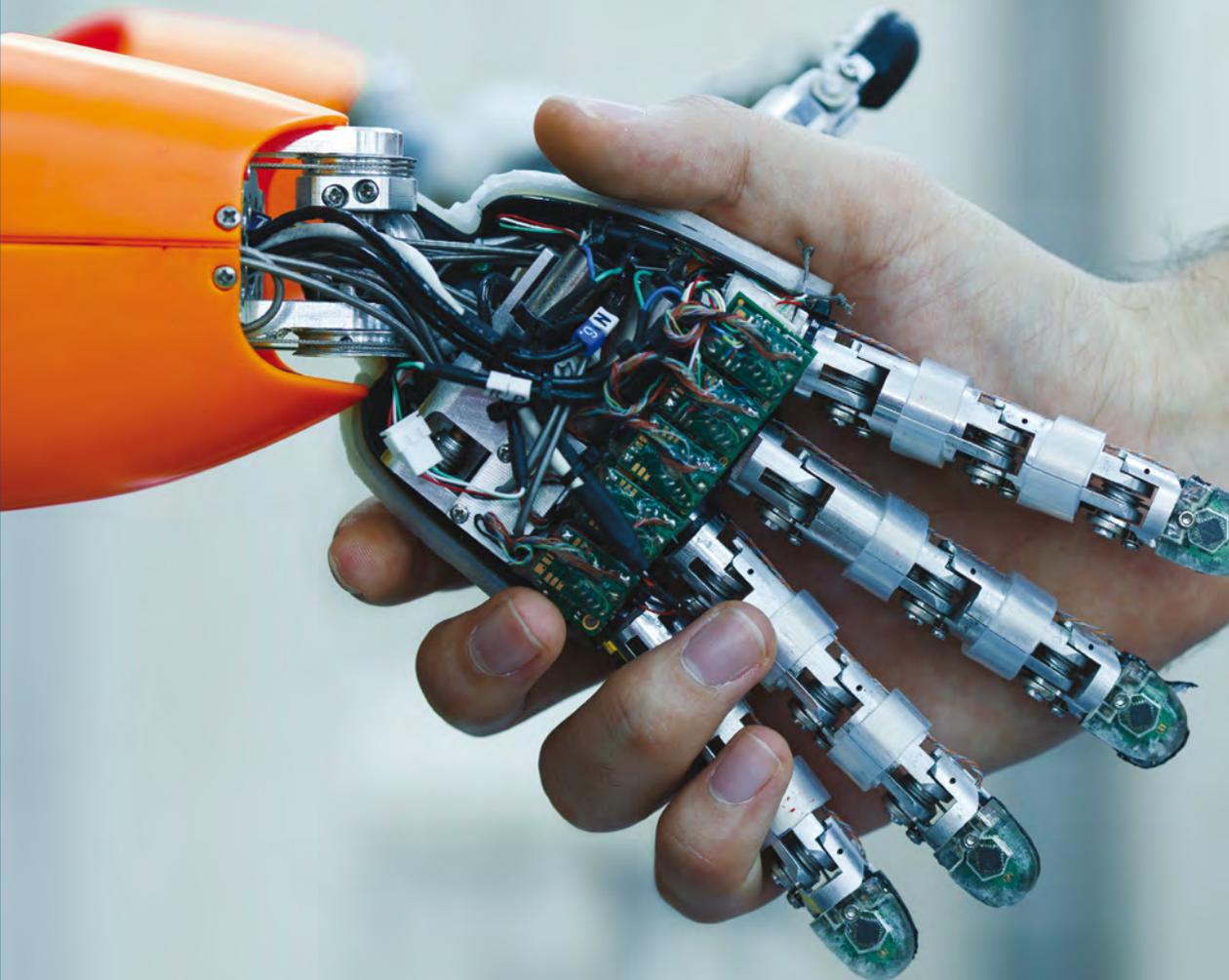


Malaysia Campus

UNIVERSITY OF  
**Southampton**

# A GLOBAL EDUCATION IN **ENGINEERING**

Foundation Year and Undergraduate Courses 2017



**2 years in  
Malaysia**

followed by

**2 years in  
the UK**

**TOP 1%**  
global  
university

*QS World University  
Rankings 2016/17*

**SOUTH A**

The University of Southampton has a global reputation for academic excellence. We are one of the top ten universities in the UK for engineering, and have established a branch campus within the EduCity development in Iskandar Puteri, Johor to enable more students to experience our world-class education.

- ➔ You will spend **two years in Malaysia** and **two years in the UK** as part of your degree programme
- ➔ You will **graduate** with a **masters degree** from an **internationally recognised University**
- ➔ Students at our **Malaysia Campus** are offered the same **course content** and **teaching quality** as students in the **UK**
- ➔ You will enjoy a very **high staff to student ratio** at our Malaysia Campus
- ➔ Your degree is around **65 per cent\*** of the cost of the same degree in the UK

## OPEN DAYS

Visit our website below for 2017 dates

Book your place at

[www.southampton.ac.uk/my/visitus](http://www.southampton.ac.uk/my/visitus)

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

[www.southampton.ac.uk/my/events](http://www.southampton.ac.uk/my/events)

# CHOOSE SOUTHAMPTON

\* This figure is based on international tuition fees, includes the 20% Transition Bursary and uses the exchange rate £1 = MYR 5.3 as of September 2016. The cost of studying the same degree in the UK (4 years in the UK) is £19,725 per annum.

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**No. 5**

for Aeronautics and Astronautics  
*The Complete University Guide, 2016*

We have **7**

Aeronautics and Astronautics degrees; choose the right one for you

We are an institution in the **TOP 1%** of global universities

*QS World University Rankings 2016/17*

**No. 1**

in the UK for graduate prospects  
*The Complete University Guide, 2017*

**No. 1**

for Electrical and Electronic Engineering  
*The Guardian University Guide, 2017*

Around **65%**

of the cost of our UK-based degree\*

**Top 10**

for Mechanical Engineering  
*The Guardian University Guide, 2017*

**11**

We have Mechanical Engineering degrees; choose the right one for you

A global engineering education in **Malaysia and the UK**



\* This figure is based on international tuition fees, includes the 20% Transition Bursary and uses the exchange rate £1 = MYR 5.3 as of September 2016. The cost of studying the same degree in the UK (4 years in the UK) is £19,725 per annum.

# CHOOSE SOUTHAMPTON: A GLOBAL UNIVERSITY

**Our Malaysia Campus in the EduCity development in Iskandar Puteri, Johor, enables students to experience the University of Southampton's world-class education at around 65 per cent\* of the cost of obtaining 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.**

We have educated students from Malaysia for over 50 years and enjoy good links with South-East Asia which span many disciplines and levels of education and research. Our partnerships in the region include the University of Malaya, the Universiti Teknologi Malaysia, the National University of Singapore and Nanyang Technological University.

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 alumni community is a rich, diverse network of former students that covers the globe
- ➔ Our world-class academics are at the cutting-edge of their disciplines, bringing a positive impact to every continent
- ➔ 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

## ROBOTICS CHALLENGE

A team of our students from Electronics and Computer Science organise the annual Student Robotics competition to encourage sixth-form and college students to design, build and test autonomous robots.



## STEAM POWER

One of our student design projects led to the development of a steam-powered racing car to set a new world record.



## GLOBAL COMPETITION

Mechanical Engineering students are helping to design and build the Southampton Formula Student car, ready to race against other universities from around the world.

\* This figure is based on international tuition fees, includes the 20% Transition Bursary and uses the exchange rate £1 = MYR 5.3 as of September 2016. The cost of studying the same degree in the UK (4 years in the UK) is £19,725 per annum.

### BUILDING A SATELLITE

Students and researchers are working on a project to design and build a CubeSat. They aim to place it into orbit via the International Space Station.



Our **200,000** graduates can be found in **180** countries

Studying abroad: we have over **400** links with **233** partners in **54** countries around the world

### SPACECRAFT PROPULSION

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



We have alumni branch networks in many countries including **Malaysia, Singapore** and **China** which can help you with networking, employability and mentoring

As part of your degree programme, you will spend **2 years in Malaysia** followed by **2 years in the UK**



### INDUSTRY LINKS

A team of electrical and electronic engineering academics from the UK and Malaysia Campuses have been developing further industry links with Intel and Altera in Penang through a series of lectures, meetings and visits.



### SCHOLARSHIP AWARDS

Tai Jei See is a three times recipient of the prestigious Lloyd's Register Foundation scholarship.

# CHOOSE SOUTHAMPTON: DESIGN YOUR OWN EDUCATION

## Your courses are developed and taught by world experts

Your course offers you breadth as well as depth

- ➔ Be independent and shape your course
- ➔ As well as attending lectures and seminars, you can access many lectures and learning resources on the move
- ➔ We work with you to make programmes more flexible
- ➔ Employers are actively involved in shaping your degree programme
- ➔ Take advantage of the Southampton opportunity; get involved in many extra-curricular activities to enhance your experience

Help and advice from expert laboratory staff

One-to-one project work with a dedicated personal tutor

Group project work

## INNOVATIVE LEARNING

Option to learn a language for free, available to all students in the UK

Optional modules outside your area of study

Access to a world-class wind tunnel complex, a flight simulator and high-voltage facilities in the UK



## GET AHEAD FOR YOUR CAREER

Learn from academics' experiences through a very high staff to student ratio at our Malaysia Campus

Secure an internship in years 1 and 2 at our Malaysia Campus through our excellent links with local industry

Our EEE programme is accredited by the Institution of Engineering and Technology

Our annual Engineering and Technology careers fair in the UK attracted **over 90 leading companies** in 2016

Over **160 leading technology companies** are affiliated to the Electronics and Computer Science Careers Hub

Network with top employers, industry contacts and graduates in the UK

Wi-Fi across all our campuses

## 24-HOUR ACCESS TO VIRTUAL LEARNING

**3 million** books, journals and reports in our UK libraries

50,000 e-books

15 dedicated Electronics and Computer Science student societies

## SOCIAL LIFE

Join the Engineering Society in the UK

Enjoy sports in the exceptional physical recreation and sports facilities at **EduCity**

Choose from a variety of social activities on offer transitioning from our Malaysia Campus to our UK Campus for your third year of study.

Meet with friends in cafes and restaurants in the local area around our Malaysia Campus

There are plenty of shopping malls in close proximity to EduCity to relax in with your friends.

 **Find out more**  
[www.southampton.ac.uk/choice](http://www.southampton.ac.uk/choice)

# ADRIAN NEWEY

## RACING ACROSS THE WORLD

Southampton graduate Adrian Newey, Chief Technical Officer at Red Bull Racing, takes his talent across the world with the Grand Prix

Specialise further with a postgraduate degree

Advice from graduates

Personal development programme

### OPPORTUNITIES

Network with top employers

Peer mentoring

Careers events

Work placements and internships

Volunteering

Enterprise

“ In engineering, a good understanding of physical laws and how they can be applied is vital. Southampton’s BEng Aeronautics and Astronautics gave me an excellent basis for establishing this blend in a manner that stood me in good stead throughout my career.”

Adrian Newey, BEng Aeronautics and Astronautics, 1980

# CHOOSE SOUTHAMPTON: SHAPE YOUR FUTURE

**A degree at Southampton opens doors for career opportunities.**

**Our degrees are highly valued by employers and will equip you with the skills to operate globally**

- ➔ We prepare you for future challenges not yet imagined and jobs not even thought of
- ➔ We are among the top 20 UK universities targeted by the largest number of top 100 graduate recruiters\*
- ➔ In the most recent Destinations of Leavers from Higher Education statistics 94 per cent of graduates whose destinations were known were in employment and/or further study
- ➔ We are one of the top 20 UK universities for graduate starting salaries\*\*
- ➔ We encourage you to engage actively in your professional development
- ➔ Electronics and Computer Science run an annual Careers Fair in the UK (over 90 companies attended in 2016) and support a full programme of employer visits and student conferences. We aim to increase your awareness of career opportunities, prepare you to find the job you want, and raise your aspirations of future achievement

**Southampton gives you the opportunity to:**

- ➔ Take advantage of our commercial partnerships via work placements, internships and volunteering in the UK
- ➔ Gather evidence of your achievements through our programme of personal development to complement your academic study, while in the UK
- ➔ Network with top employers at our careers events in the UK
- ➔ Get advice from our graduates about future careers
- ➔ Specialise further with one of our postgraduate courses and gain a more in-depth knowledge of your subject, and realise your ambitions



Companies that employ our	
<b>Aeronautics and Astronautics graduates</b>	AgustaWestland, Airbus Defence and Space, Aston Martin, BAE Systems, Boeing, British Airways, Dyson, DSTL, ESA, Jaguar Land Rover, Lockheed Martin, Mercedes AMG Petronas Formula One Team, QinetiQ, Red Bull Racing, Rolls-Royce, Siemens
<b>Electrical and Electronic Engineering graduates</b>	Altera, Apple, ARM, Audi, BAE Systems, BBC, Bloomberg, Cisco, Facebook, Goldman Sachs, Google, IBM, Imagination Technologies, Intel, Jaguar Land Rover, J P Morgan, McLaren, Microsoft, Motorola, Samsung, Sony
<b>Mechanical Engineering graduates</b>	Airbus UK, AWE, BAE Systems, BP, Dyson, GE Aviation, IAC Aviation, Jaguar, Johnson Matthey, Lloyds, McLaren Racing, Mercedes-Benz, MOD, QinetiQ, Rolls-Royce, Schlumberger

**Find out more**

To learn how your Southampton Opportunity can get you ready for employment, visit [www.southampton.ac.uk/careers](http://www.southampton.ac.uk/careers)

\*The Graduate Market in 2016, produced by High Fliers Research

\*\*The Times Good University Guide, 2016

# OUR PEOPLE



**Southampton people have a passion to change the world through their research and collaborations with global partners**

- Our lecturers are highly qualified and push the boundaries of knowledge with their research
- You are taught differently; our research informs your education
- Studying with our world-leading academics gives you an edge
- You are involved with important research as it unfolds
- Join us and share our knowledge to gain your advantage
- You'll enjoy a very high staff to student ratio at our Malaysia Campus

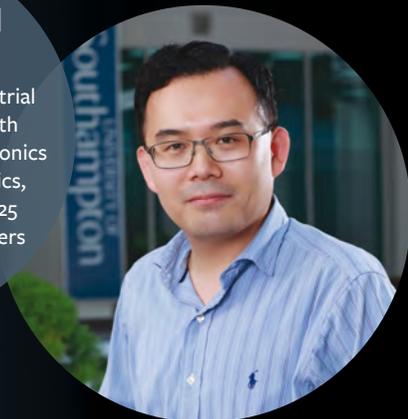
## **PROFESSOR SIR DAVID PAYNE**

### **PIONEERING OPTICAL FIBRES**

Professor and graduate from Southampton, Sir David Payne, and his team developed the optical fibres that formed the basis of the internet.

## DR SEUNGHWAN WON

Seung Hwan has broad industrial engineering experience, with employment at both LG Electronics R&D and Samsung Electronics, S. Korea. He has published 25 journal and conference papers and is associated with 21 US patents.



## DR SUHAILA MOHD SANIP

Suhaila was awarded a Japan Fellowship for her PhD at the Nagoya Institute of Technology. She has received several research grants to work on organic solar cells using carbon nanotubes and graphene.



## DR MIHAI ROTARU

Mihai has substantial experience in designing, modelling, simulation and characterisation of electromagnetic and electromechanical systems and devices.

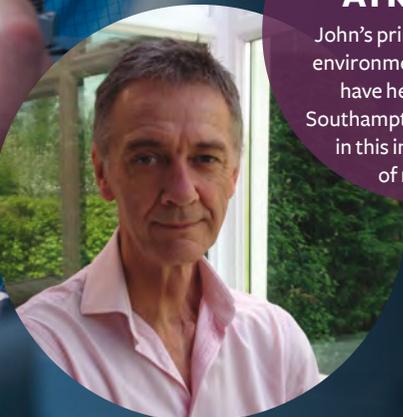


## DR PU SUAN HUI

Using industry-standard fabrication techniques Suan Hui develops novel micro- and nano-systems that have applications in motion and pressure sensing, electrical switching and chemical detection.

## PROFESSOR JOHN ATKINSON

John's printed sensors for environmental monitoring have helped to make Southampton world leaders in this important area of research.



 Find out more  
[www.southampton.ac.uk/my/people](http://www.southampton.ac.uk/my/people)

# OUR PEOPLE (cont.)



**PROFESSOR  
DAME  
WENDY HALL**

**GLOBAL CONNECTIONS**

Professor and graduate from Southampton, Wendy was one of the first scientists to carry out serious research in multimedia, hypermedia and the Web.

## DR JO-HAN NG

Jo-Han's main research interests cover the area of renewable energy and combustion. He is now the principal investigator for a project funded by the Ministry of Education to improve palm oil biodiesel production.



## PROFESSOR JOHN SHRIMPTON

John is a world-leading expert in charge injection technology, generating electrically charged sprays of dielectric liquids.



## DR GEOFF MERRETT

Geoff's research, on projects totalling over \$30M, is allowing mobile and embedded computing systems to run off their batteries for longer, potentially even forever.

## REBEKAH ENDERSBY

Rebekah studies electromechanical engineering within her MEng. She completed her third placement with the UK's National Grid in the summer of 2016, providing valuable industry experience for her student projects on power engineering and transmission networks.



## JEREMY FONG

Jeremy, a MEng Mechanical Engineering student, secured a position with Rolls Royce on the Graduate Development Programme, which helps graduates develop the skills to progress their careers while making a real contribution to live projects.



 Find out more  
[www.southampton.ac.uk/  
my/people](http://www.southampton.ac.uk/my/people)

# WHAT'S YOUR **AMBITION?** TO DEVELOP TECHNOLOGY FOR SPACE EXPLORATION MISSIONS

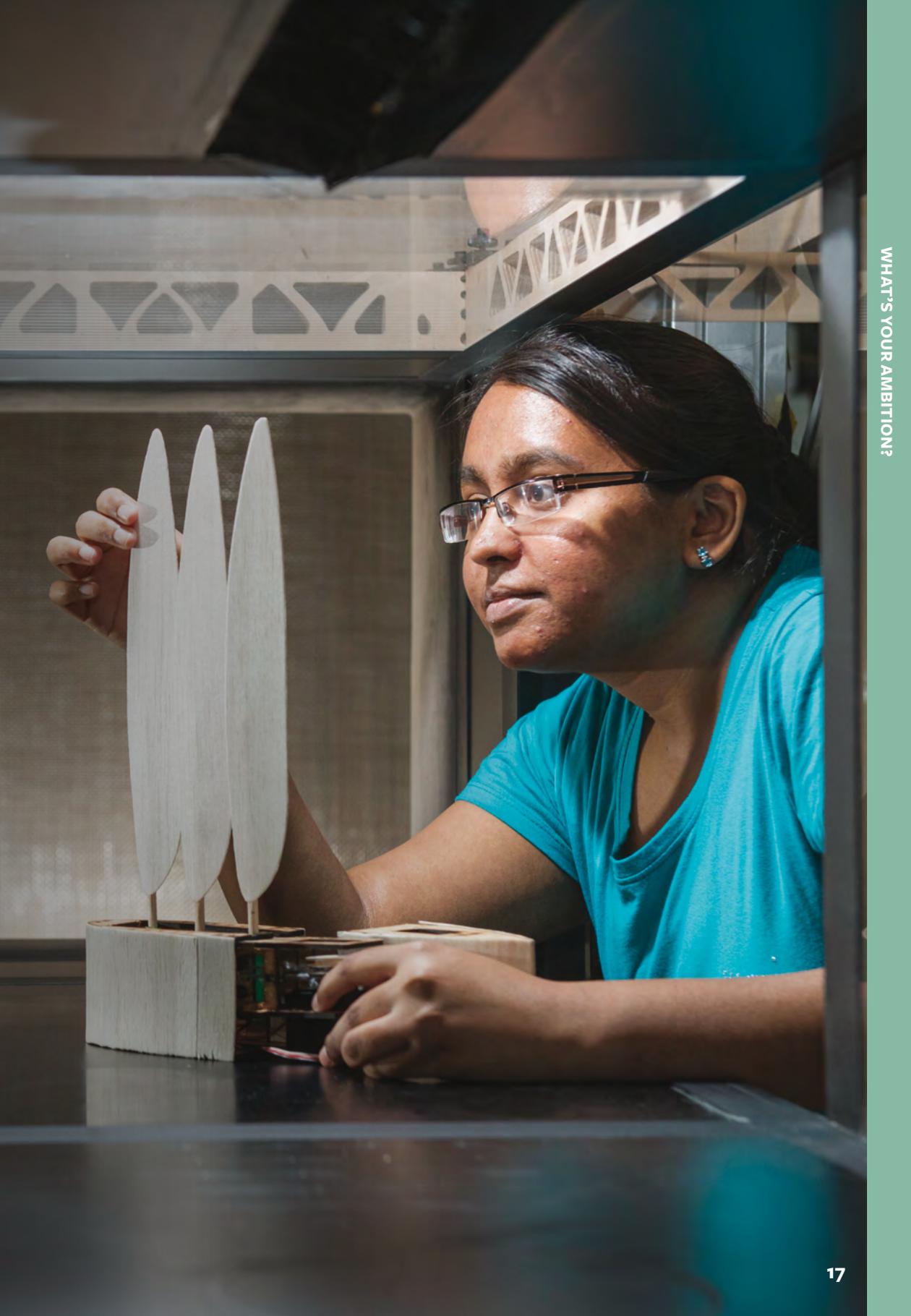
## **Nirmalina Beena**

MEng Aeronautics and Astronautics / Spacecraft Engineering

For her third-year individual project, Nirmalina studied the aeromechanics of feathers. Her research enabled her to establish the performance properties of varying feathers by testing them in a wind tunnel. “I made a sliding mechanism which I was able to use to test the feathers. This helped me improve my skills in research and experimentation, computer-aided design, 3D printing and model building.”

“I like the complexity of my course, challenging myself to study and understand complex concepts. I love learning how a spacecraft is manufactured and the opportunities I have to explore concepts in my project work.”

One of the highlights of Nirmalina’s time at the University of Southampton has been participating in the annual Eurobot competition, an international amateur robotics contest open to teams of young people. Teamwork is something Nirmalina has gained lots of experience in – she also worked on a team project to design a miniaturised satellite and develop a ground station to communicate with it. “These projects really helped me to gain experience of team dynamics and to understand how engineering projects work in industry.”





# WHAT'S YOUR AMBITION?

## TO IMPROVE THE EFFICIENCY OF SOLAR CELLS AND BRING THE TECHNOLOGY TO MALAYSIA

### Wen Yee Tey

Lloyds Register Foundation Scholar  
MEng Electrical and Electronic Engineering

Wen Yee chose to study at the University of Southampton because of the opportunity to obtain a world-class Electrical and Electronic Engineering degree from one of the UK's top engineering universities. The chance to study in both Malaysia and the UK also excited her. As one of the top-performing students in her cohort, she received a prestigious Lloyds Register Foundation scholarship to cover a year's tuition fees.

In their third year, MEng Electrical and Electronic Engineering students work on an individual project, often looking for solutions to real problems or to enhance existing technology.

“The objective of my project is to optimise solar cells for best efficiency. Having access to the University's state-of-the-art facilities, such as the computing labs, enables me to model cells and compare results between several software simulators.

“Working on this project, and meeting with PhD students who have carried out years of research into solar cells, has really affirmed to me that this is what I am interested in and what I want to pursue in future. I would like to do a PhD once I graduate with a view to working in R&D for a solar cell company and bringing improvements back to Malaysia – we certainly have the sunshine for it!”

# WHAT'S YOUR **AMBITION?**

TO HELP DEVELOP THE FIELD OF  
ENGINEERING IN MY HOMETOWN  
AND INSPIRE YOUNGER  
GENERATIONS

## **Jason, Jie Sheng Lai**

MEng Mechanical Engineering/ Mechatronics

During his time at the University of Southampton, Jason has enjoyed the opportunity to interact with other students from all over the world through activities organised by the many clubs and societies on campus. He has also attended careers fairs and employer talks, as well as networked with alumni, to help prepare himself for life after graduation.

For his fourth-year group design project, Jason built an autonomous wall-climbing robot.

“Our main focus was to build a working electroadhesion actuator. This mechanism can work on different types of walls, though the effectiveness of the actuator varies among them.

“The project involved research, design, programming and manufacturing, and I used a process called screen printing to print the electrode of the actuator. My course enables me to study a broad range of engineering topics, and I have really enjoyed applying all of these skills into one project.”



# YOUR STUDENT EXPERIENCE IN MALAYSIA

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

## Campus

Our Malaysia Campus is set within 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 equipped with a cafeteria, launderette, prayer room, indoor games room, outdoor badminton, basketball court as well as a picturesque roof terrace with views of the surrounding area.

## Surrounding area

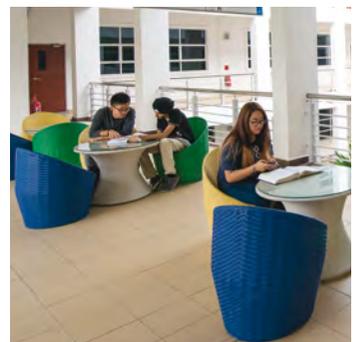
In the heart of Malaysia's economic zone, EduCity is 8km from the Second Crossing Bridge to Singapore. It is easily accessible via the Coastal Highway that directly links Medini with Johor Bahru, and the Malaysia-Singapore Second-Link Expressway.

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 the study space 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



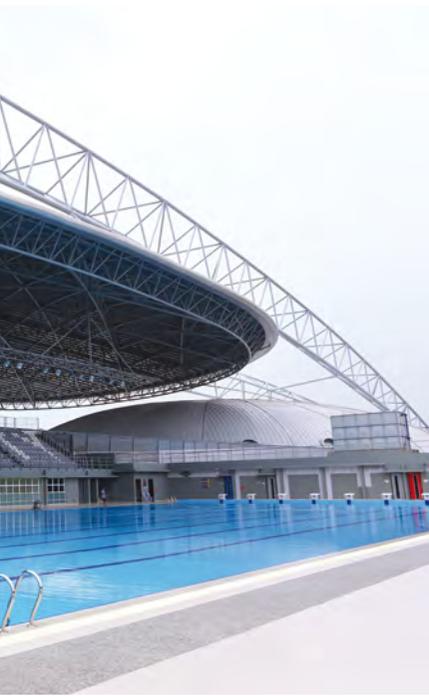


03



Shop for food and household items in one of the many grocery stores located near EduCity. Supermarkets nearby include Mydin, Aeon Bukit Indah, Tesco Bukit Indah and Giant Hypermarket Nusa Bestari.

04



02



05

## Sport

- Students at our Malaysia Campus have access to the exceptional physical recreation and sports facilities at EduCity, which includes 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 Bossaball. Regular fitness classes in pilates, yoga, combat fitness 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](http://www.educitysport.com)

 **Find out more**

[www.southampton.ac.uk/life](http://www.southampton.ac.uk/life)

**Follow our student bloggers**  
[www.southampton.ac.uk/my/blog](http://www.southampton.ac.uk/my/blog)

- 01 Balcony, Malaysia Campus
- 02 EduCity's swimming pool
- 03 Lunch on campus
- 04 Students shopping in the local area
- 05 Playing football at EduCity's sports stadium

# YOUR STUDENT EXPERIENCE IN THE UK

**Years three and four are spent at our campus in the UK, which offers a friendly, vibrant and diverse atmosphere for work and leisure.**

## Campuses

Our academic engineering activity is based at the University's Highfield Campus and Boldrewood Innovation Campus. Boldrewood Innovation Campus is located a five-minute walk away from the main Highfield Campus. Both are set in green and pleasantly landscaped surroundings and are just a short bus ride from the centre of Southampton.

There are a range of facilities on campus including restaurants, banks and a Post Office, as well as a chaplaincy for all faiths and a prayer room for Muslim students.

## City of Southampton

The city of Southampton is located just over one hour by train from central London, on the south coast of England. It is one hour by car from Stonehenge, and close to historic cities such as Winchester and Bath, as well as other top sights in the UK.

It is the number one most affordable student city in England\* and boasts:

- a variety of leisure, dining, shopping and entertainment options
- the south coast's premier shopping centre - WestQuay
- the Mayflower Theatre - the third largest theatre outside of London

- a premier league football team - Southampton Football Club
- music festivals such as Common People and Let's Rock Southampton

The Malaysian Student Association Southampton also organises many events throughout the year.

Southampton is a safe and pleasant place to live. Solent Owls provides information to help students stay safe and enjoy their time at university. The University of Southampton Security Service operates 24 hours a day, every day of the year. Union Southampton provides The Safety Bus which is a service that runs every night to take students home from campus. Our Halls of Residence have 24 hours a day, seven day a week support available.

Find out more about Southampton at [www.southampton.ac.uk/uni-life/life-in-city.page](http://www.southampton.ac.uk/uni-life/life-in-city.page)

## Student life in the UK

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

- Experience Freshers' and our Welcome Programme, designed to help you settle into life at the University



\*NatWest Student Living Index 2015



03

You can socialise with friends in one of our bars or cafés on campus and in our halls of residences, as well as in the city of Southampton



04



02



05

- 01 Ocean Village Marina, Southampton
- 02 Southampton city
- 03 Highfield Campus
- 04 Café on campus
- 05 Basketball at the Jubilee Sports Centre, Highfield Campus

- Discover over 350 student clubs and societies: from archery and Taekwondo to performing arts and politics
- Help local people: get involved in community volunteering projects and fundraising
- Socialise with friends in one of our bars or cafés on our campuses
- Catch a film in our 330-seat cinema
- Enjoy live music and comedy nights
- Become a DJ or director at our radio or TV stations
- Try out journalism for the Wessex Scene or The Edge magazines
- View art exhibitions at the John Hansard Gallery, watch a play at the Nuffield Theatre or listen to anything from jazz to classical music at Turner Sims
- Find out more about our Students' Union at [www.unionsouthampton.org](http://www.unionsouthampton.org)

### 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
- Play on over 20 grass and synthetic pitches for summer and winter sports
- Union Southampton caters for more than 98 sports clubs – more than any other UK university. From beginners to national competitors, we provide members with excellent sporting activities at a subsidised cost

### Find out more

[www.southampton.ac.uk/life](http://www.southampton.ac.uk/life)

**Follow our student bloggers**  
[www.southampton.ac.uk/my/blog](http://www.southampton.ac.uk/my/blog)

# ACCOMMODATION

**We offer modern, spacious and safe living 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)

Our Malaysia Campus offers self-catering accommodation in a variety of options, including ensuite single bedrooms, twin bedrooms with ensuite and four/five-bed accommodation with a shared bathroom, all within EduCity's Student Village (SV). Accommodation is split into male/female wings accordingly.

The SV is just a few minutes stroll from our campus and is in a safe and secure environment with CCTV surveillance and a security guard post. The SV comprises approximately 900 beds. You will have the opportunity to mix with students from other institutions that share the EduCity 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.

Typical room fittings and furnishings include:

- Air-conditioning
- Ceiling fan(s) and light(s)
- Drying yard
- Ensuite/shared bathroom
- Individual bed frame and mattress, wardrobe, study table and chair
- Water heater
- Window curtains

## 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 SV will confirm the deadline by which you must apply to ensure your guarantee of accommodation. The deadline will differ depending on which intake you are applying for - April/July (Foundation Year) or September (undergraduate).

## Guaranteed accommodation

You are guaranteed an offer of University accommodation for your Foundation Year, or first year (undergraduate) at our Malaysia Campus, 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 (2016/17 academic year)

Room type	Rental p/m (RM)	Limit of electricity usage p/pax (RM)	Rental deposit p/pax (RM)	Total initial fee payable (3 months + 1 month deposit) (RM)
Single ensuite	889	50	889	3,556
Twin sharing	681	50	681	2,724
4 sharing	474	50	474	1,896
5 sharing	589	50	589	2,356

For the latest information on accommodation, visit [www.southampton.ac.uk/my/accommodation](http://www.southampton.ac.uk/my/accommodation)



Exterior view, EduCity's Student Village, Malaysia



Twin sharing room, EduCity's Student Village, Malaysia



Room layout, EduCity's Student Village, Malaysia

**UK accommodation**  
(Years three and four)

In the UK, the University of Southampton has over 20 halls of residence in safe, secure and professionally managed accommodation, including over 1,800 bedrooms in new buildings opened since 2014. If you are unaccompanied, the cost of living (in addition to tuition fees and international flights to and from the University, if applicable) is usually around £9,135 per academic year.

**UK accommodation fees (2016/17 academic year)**

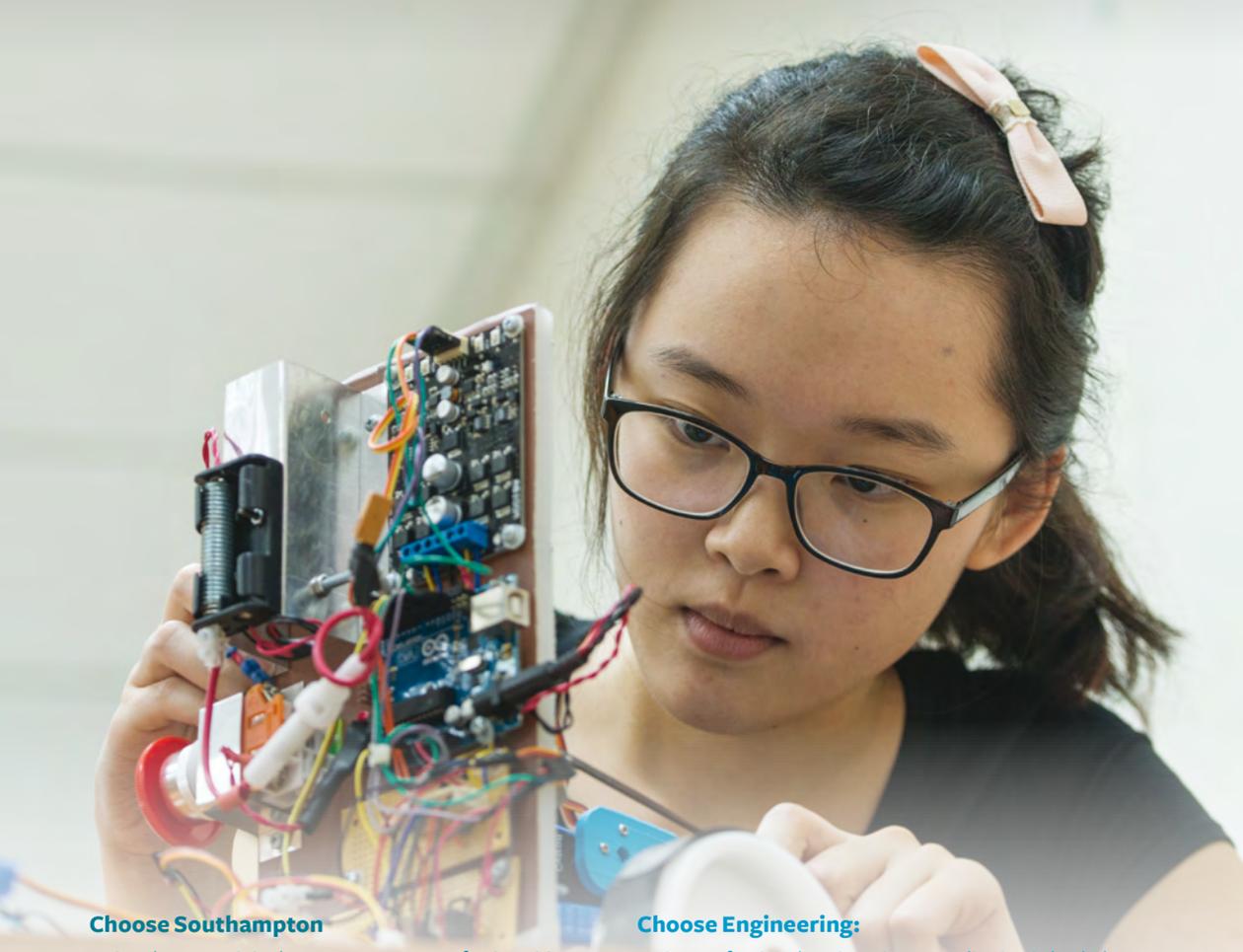
Room type	Weekly price	Total*
Non-ensuite category 1 (catered only)	£132.09	£5,284
Non-ensuite category 2	£92.33 - £101.99**	£3,693 - £4,080**
Non-ensuite category 3	£122.92	£4,917
Ensuite category 1	£122.92 - £145.95**	£4,917 - £5,838**
Ensuite category 2	£145.95 - £154.98	£5,838 - £6,199
Studio category 1	£159.95 - £178.29	£6,398 - £7,132
Studio category 2	£187.18	£7,487
One and two bedroom flats (couples and families)	Various locations prices range from £195.95 - £276.58	

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

\*\* Catered rooms of this room type will cost £46 extra per week

 **Find out more**  
[www.southampton.ac.uk/my/accommodation](http://www.southampton.ac.uk/my/accommodation)

# WHY ENGINEERING AT SOUTHAMPTON



## Choose Southampton

- Southampton is in the top one per cent of universities in the world\*
- We are in the top 20 UK universities\*\* and a founding member of the Russell Group of research-intensive UK universities
- Graduate with an internationally recognised UK masters degree
- You can learn about the latest world-changing research from the people who are creating it

## Choose Engineering:

- Get professional engineering accreditation in both the UK and Malaysia
- Our programmes are highly ranked in every major league table in the UK and worldwide
- Southampton is in the top ten for Aeronautics and Astronautics and Mechanical Engineering†
- Southampton is number one in the UK for Electrical and Electronic Engineering†
- You can expect to be taught and supervised by researchers who lead in their discipline

\*QS World University Rankings 2016/17

\*\*The Complete University Guide, 2017

†The Guardian University Guide, 2017

## Our Malaysia Campus (Years one and two and Foundation Year)

### An international education in Malaysia

- The Foundation Year and years one and two of your degree are spent in Malaysia and years three and four of your degree are spent in the UK
- You will study core modules in years one and two of your degree programme and will specialise in year three
- Your degree is around 65 per cent\* of the cost of the same degree in the UK
- You will graduate with a highly reputable masters degree from a UK University
- You are taught by world-leading academics who teach both in Malaysia and in the UK
- All of our lecturers are PhD holders who are active in research
- You will enjoy a very high staff to student ratio at our Malaysia Campus
- The course content and the teaching quality is identical to that in the UK
- You will have hands-on experience in our comprehensive laboratories and workshops
- You will have opportunities for internships in years one and two of your degree programme, either at local companies or at our Malaysia Campus



## Our UK Campus (Years three and four)

### World-class, state-of-the-art facilities

#### For students studying MEng Aeronautics and Astronautics and MEng Mechanical Engineering:

- The Southampton wind tunnel complex consists of several wind tunnels of various sizes which are available for student aerodynamics project work and for commercial use. It has been used by Formula 1 (F1) teams, aircraft, train, cycling and high-performance car manufacturers for aerodynamic testing since the 1980s. Recent tests include working with UK Sport and the British Cycling team. We helped British Cycling win seven gold medals in the London 2012 Olympics
- We have design studios, which include power tools, hand tools and 3D printers, where students can design and make items in wood, metal and plastics
- Students have access to the Engineering, Design and Manufacturing Centre (EDMC) which is a professional engineering workshop, staffed by qualified technicians.

- We have computer laboratories with fast computers where students can learn to use a range of software packages including CAD, FEA, CFD and a variety of modelling and simulation tools



#### For students studying MEng Electrical and Electronic Engineering:

- The Zepler Building contains the undergraduate teaching and project laboratory for electrical and electronic engineering together with extensive computing facilities. Purpose built in 2015, these £4 million laboratories will prepare students for industries of the future. Our state-of-the-art electrical and electronic teaching laboratories are equipped to a professional standard for all areas of digital and analogue electronics, photonics, power engineering and robotics
- The Mountbatten Building houses one of the world's leading cleanroom laboratory complexes for materials and device research in diverse fields ranging from electronics and Micro Electro Mechanical Systems (MEMS) through photonics to bionanotechnology
- The Tony Davies High Voltage Laboratory is one of only a handful of similar facilities in Europe. It contains a full range of equipment to support research and consultancy in high voltage engineering

Take a closer look at our facilities with our virtual visit at [virtualopenday.southampton.ac.uk](http://virtualopenday.southampton.ac.uk)



[www.southampton.edu.my](http://www.southampton.edu.my)

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

E: [marketing.malaysia@southampton.ac.uk](mailto:marketing.malaysia@southampton.ac.uk)

\* This figure is based on international tuition fees, includes the 20% Transition Bursary and uses the exchange rate £1 = MYR 5.3 as of September 2016. The cost of studying the same degree in the UK (4 years in the UK) is £19,725 per annum.

# COURSE OVERVIEW

## Aeronautics and Astronautics

### Choose Southampton

- ➔ Ranked fifth in the UK by The Complete University Guide, 2016
- ➔ A BAE Systems preferred course
- ➔ MEng programmes fully meet the academic requirement for registration as a Chartered Engineer
- ➔ Flying opportunities through Union Southampton or University Air Squadron in the UK
- ➔ Third in the Russell Group for Aerospace Engineering (National Student Survey, 2015)
- ➔ The split-campus programme is identical to that offered in the UK and provides the same format and opportunities to study

**92%**

in professional jobs or  
further study six months  
after graduation  
DLHE, 2013/14

We have

**7**

degrees:  
choose the right  
one for you

Test pilot your designs in our flight simulator

## Aeronautics and Astronautics brings together advanced engineering across a range of disciplines with applications to the specification, design and construction of airframes, engines, satellites and other spacecraft.

### Accreditation

Our MEng is accredited by the Royal Aeronautical Society (RAeS) and the Institution of Mechanical Engineers (IMechE) on behalf of the UK's Engineering Council for the purposes of fully meeting the academic requirement for registration as a Chartered Engineer. This accreditation is recognised by engineering boards around the world, including the Board of Engineers Malaysia via the international agreement known as the Washington Accord. Our BEng is accredited for the purposes of fully meeting the academic requirement for registration as an Incorporated Engineer and partly meeting the academic requirement for registration as a Chartered Engineer.

### Programme structure

We employ a combination of formal and special lectures, tutorials, example 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 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 campuses and will comprise two semesters commencing at the end of September and January, with examinations at the end of January and May. Each module is a self-contained part of the programme of study and carries a credit rating.

Should you choose to exit this programme after successfully completing three years of study, you will be eligible for a 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.

### Years one and two in Malaysia

During your first two years at our Malaysia Campus, you will focus on core engineering science with an emphasis on aerospace engineering through practical laboratory sessions and lectures. The first two years are the same across the Aeronautics and Astronautics degrees, with students specialising in their third and fourth years.

In your first year, we will also enhance your understanding of computation design tools and the economic, legal and environmental issues around aircraft operations and performance. Year two will see a focus on aerospace engineering, studying aerodynamics, astronautics, propulsion and the mechanics of flight.

### Years three and four in the UK

During years three and four in the UK, you will study a number of core modules, specific to your chosen degree. You will demonstrate your knowledge and skills through practical projects.

In year three, you will undertake an individual design or research project, which is often sponsored by industry. In year four, you will work on a group aircraft or spacecraft design project. Previous examples include the design, manufacturing, and testing of unmanned air vehicles and a lunar hopper. You will also be able to take optional modules to suit your own interests, for example in advanced aeronautics or outside of the field.

### Core modules

Year 1
Aircraft Operations and Flight Mechanics
Design and Computing
Electrical and Electronic Systems
Mathematics for Engineering and the Environment
Mechanics, Structures and Materials
Thermofluids
Year 2
Aerodynamics
Astronautics
Engineering Management and Law
Materials and Structures
Mathematics for Engineering and the Environment Part II
Mechanics of Flight
Propulsion
Systems Design and Computing
Year 3
Aerospace Control Design
Aerothermodynamics
Aircraft Design
Aircraft Structural Design
Individual Project
Year 4
Group Design Project

### Further information

For information on modules available in years one and two, visit [www.southampton.ac.uk/my/aero](http://www.southampton.ac.uk/my/aero)

For information on modules available in years three and four, visit [www.southampton.ac.uk/engineering/aero](http://www.southampton.ac.uk/engineering/aero)

# MEng Aeronautics and Astronautics

## Degree | Duration

### MEng Aeronautics and Astronautics | 4years

This programme is aimed at students who wish to pursue technically demanding careers in the aerospace industries or research. Design, systems studies and individual/group projects are an integral part of the course and reflect the multidisciplinary nature of aerospace engineering.

### MEng Aeronautics and Astronautics / Aerodynamics | 4years

This programme focuses on aerodynamics theory and practice for the design of aircraft and other vehicles. It provides excellent preparation for aerodynamics design and research for both the aerospace and F1 industries.

### MEng Aeronautics and Astronautics / Airvehicle Systems Design | 4years

This programme focuses on aeronautic topics, with a particular emphasis on helicopters and fixed-wing aircraft, engine design, unmanned air vehicles and avionics. Using a complete vehicle systems approach, you will also learn about modern design, search and optimisation techniques.

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

On this degree programme, you will learn to solve design challenges using advanced computational methods. You will also develop your understanding of computational fluid dynamics.

### MEng Aeronautics and Astronautics / Engineering Management | 4years

This innovative programme is designed to enable professional engineers to progress quickly into management positions in the aerospace industry. You will develop the technical skills to understand, design and manufacture new products, and the expertise to manage the process, people and finances.

### MEng Aeronautics and Astronautics / Materials and Structures | 4years

This programme focuses on the design of aerospace structures and selection of materials, demonstrating how materials behave in service and the reasons why they sometimes fail. You will have opportunities to examine a number of case studies in collaboration with our industrial partners. Specialist modules will enable you to develop your skills in the structural analysis of aircraft and spacecraft. This degree is excellent preparation for engineering design and research in this field.

### MEng Aeronautics and Astronautics / Spacecraft Engineering | 4years

This degree is aimed at students who may be interested in pursuing a career in the spacecraft industry or undertaking spacecraft-related research. The emphasis of this programme is on the overall system design of spacecraft. You will learn to design, examine and test spacecraft systems.

## Career opportunities

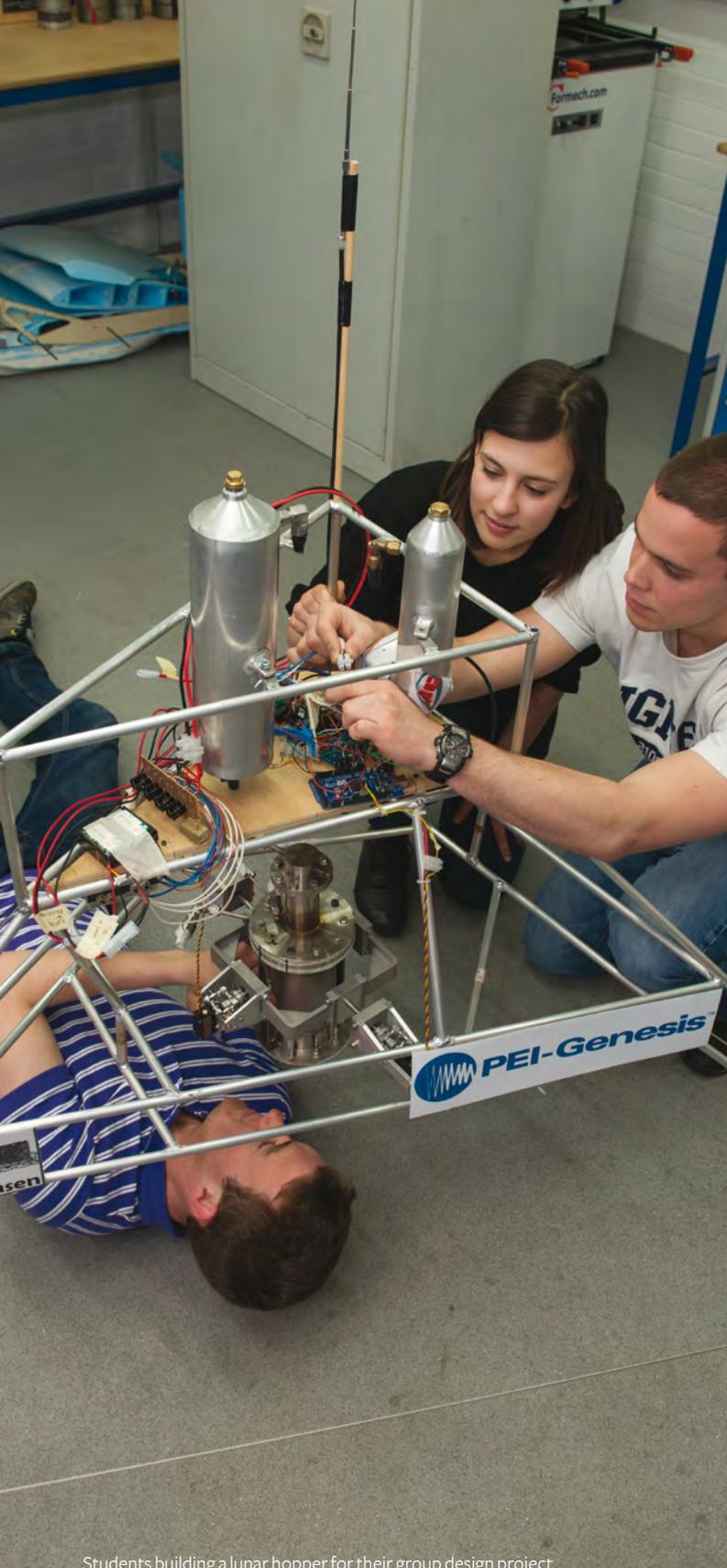
There are exciting career opportunities in some of the world's leading companies, including F1, BAE Systems, Siemens, NASA, Lockheed Martin and Rolls-Royce. Our graduates have gone on to careers in race car design, civil and military aerospace, systems engineering and research. Our degrees are also excellent preparation for careers in many non-aerospace industries, particularly the commercial sector.

Typical roles include Aerodynamicist, Spacecraft Systems Engineer, Design Technologist, Aerospace Engineer and Unmanned Systems Engineer.

“I loved learning about the electronics involved and found the project really interesting.”

**Anthony Lewis**

MEng Aeronautics and Astronautics / Spacecraft Engineering



Students building a lunar hopper for their group design project

## Key information

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

**A levels: A\*AA** in Mathematics, Physics (A\* in either) and one other (except General Studies and Critical Thinking)

**IB: 38 points overall**, 18 at Higher Level including 6 in both Higher Mathematics and Higher Physics

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

**Unified Examination Certificate (UEC) – Senior Middle Level:**

Minimum **5 As** including Mathematics I and II and Physics (not including Art, Chinese or Malay)

**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 qualifications:**

**IELTS 6.5** overall with at least **5.5** in each competence. For other qualifications accepted, visit [www.southampton.ac.uk/admissions\\_language](http://www.southampton.ac.uk/admissions_language)

**Application process:** Apply directly via our website [www.southampton.ac.uk/my/apply](http://www.southampton.ac.uk/my/apply)

Our typical entry requirements may be subject to change.

Before you apply, please visit [www.southampton.ac.uk/my/entry-requirements](http://www.southampton.ac.uk/my/entry-requirements)

## Find out more

**T:** +607-560 2560 (Malaysia)

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

**E:** [marketing.malaysia@southampton.ac.uk](mailto:marketing.malaysia@southampton.ac.uk)

[To download brochure](http://www.southampton.edu.my)  
[www.southampton.edu.my](http://www.southampton.edu.my)

# CHANGE THE WORLD

## Designing an innovative wingsuit

A group of fourth-year Aeronautics and Astronautics students have designed a high performance wingsuit for their group design project; bringing together the theoretical knowledge and skills they have learned throughout their degree.





 Find out more  
[www.southampton.ac.uk/  
researchfacilities](http://www.southampton.ac.uk/researchfacilities)

# COURSE OVERVIEW

## Electrical and Electronic Engineering

### Choose Southampton

- Southampton is ranked number one in the UK by *The Guardian University Guide, 2017* for electrical and electronic engineering
- £110m state-of-the-art interdisciplinary clean room, 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)
- Electronics and Computer Science students ranked 21st in the world in the 2014 IEEEXtreme global programming competition
- MEng Electrical and Electronic Engineering programme provides direct route to Chartered Engineer (CEng) status
- The split-campus programme is identical to that offered in the UK and provides the same format and opportunities to study

**No.1**

in UK for  
graduate prospects  
*Complete University  
Guide, 2017*

**No.1**

in UK for electrical and  
electronic engineering  
*The Guardian University  
Guide, 2017*

**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, you will put the theory you have learned in lectures into practice and deliver real results.

### Accreditation

Our MEng is accredited by the Institution of Engineering and Technology (IET) on behalf of the UK's Engineering Council for the purposes of fully meeting the academic requirement for registration as a Chartered Engineer in the UK. This accreditation is recognised by engineering boards around the world, including the Board of Engineers Malaysia via the international agreement known as the Washington Accord. Our BEng is accredited for the purposes of partially meeting the academic requirement for registration as a Chartered Engineer.

### Programme 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 will comprise 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 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.

### Years one and two in Malaysia

During your first two years at our Malaysia Campus, 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 specialise or retain a broad-based study path through 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 to 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.

### Further information

For information on modules available in years one and two, visit [www.southampton.ac.uk/my/eee](http://www.southampton.ac.uk/my/eee)

For information on modules available in years three and four, visit [www.southampton.ac.uk/ecs/eee](http://www.southampton.ac.uk/ecs/eee)

“The philosophy and focus of the EEE programme at Southampton is simply world class. The facilities are well-equipped with cutting-edge technologies which are essential to develop the skills I'll take with me to my future employment.”

**Ng Chun Hean**

MEng Electrical and Electronic Engineering

# MEng Electrical and Electronic Engineering

## Degree | Duration

**MEng Electrical and Electronic Engineering** | 4 years

## Course Overview

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 structure

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.

## Typical course content

- Digital systems and microprocessors
- Electronic systems
- Solid state devices
- Electrical engineering design
- Digital systems
- Power electronics and drives

## MEng Electrical and Electronic Engineering pathways

All students on this programme gain a fundamental understanding across electrical and electronic engineering principles, however the various pathways (some of which are shown below) allow you to specialise further in particular areas by choosing optional modules.

### Power Systems

On this pathway, you will learn the fundamental concepts relating to the principles and design of modern electrical power systems and their impact on society. You are able to learn about power transmission and distribution, develop electromechanical design skills, and understand the properties and applications of electrical materials. 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. In the second year of your degree, you will design your own CMOS integrated circuit (IC); these are then fabricated into silicon, and you will get the opportunity to test your own real IC to see if it worked.

### Computer Science/Software Engineering

Through specialised modules, you 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, computer graphics, embedded systems, and computer vision.

### Nanotechnology and Photonics

Many of the major developments in today's electronic and photonic technology were pioneered by researchers at Southampton. Through this pathway you 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

Covering techniques critical to the information and robotic age, this pathway covers communication technologies (networking, wireless communication, green communication, multimedia communications, RF transceivers) and the control of robotics (digital control, biologically-inspired robotics).

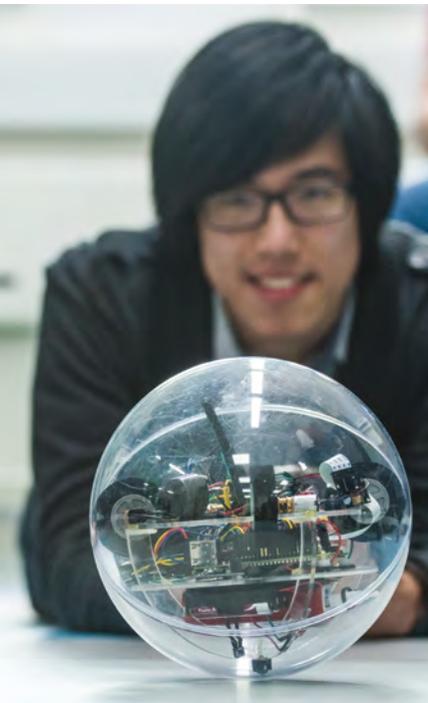
### Mathematics

As a student gifted in mathematics, you can continue to develop your ability in mathematics over and above the compulsory engineering mathematics that runs through the programme. Optional modules span a wide range of areas, including advanced partial differential equations, statistics for engineering systems, numerical methods and the use of MATLAB, optimisation and integral transform methods.

## Key information

### Projects and Management

All students undertake a range of individual and group design projects during their degree. You will develop the technical skills to understand, design and manufacture new products, and the expertise to manage the process, people and finances. Taking modules on engineering management, accounting and law can enable you to focus on progression into key management positions in the electrical and electronic engineering industries.



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 live audio performance system and a spherical semi-autonomous robot that can navigate a course.

### Core modules

**Year 1**

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

**Year 2**

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

**Year 3**

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

**Year 4**

Group Design Project  
Choose 5 from around 40 optional modules

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

**A levels:** A\*AA to include Mathematics, Physics and one other (except General Studies and Critical Thinking)

In some cases, Physics may be substituted by Further Mathematics or Electronics

**IB:** 38 points overall, 18 at Higher Level including 6 in both Higher Mathematics and Higher Physics

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

**Unified Examination Certificate (UEC) – Senior Middle Level:**

Minimum 5 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 qualifications:**

**IELTS 6.5** overall with at least 5.5 in each competence. For other qualifications accepted, visit [www.southampton.ac.uk/admissions\\_Language](http://www.southampton.ac.uk/admissions_Language)

**Application process:** Apply directly via our website [www.southampton.ac.uk/my/apply](http://www.southampton.ac.uk/my/apply)

Our typical entry requirements may be subject to change. Before you apply, please visit [www.southampton.ac.uk/my/entry-requirements](http://www.southampton.ac.uk/my/entry-requirements)

## Find out more

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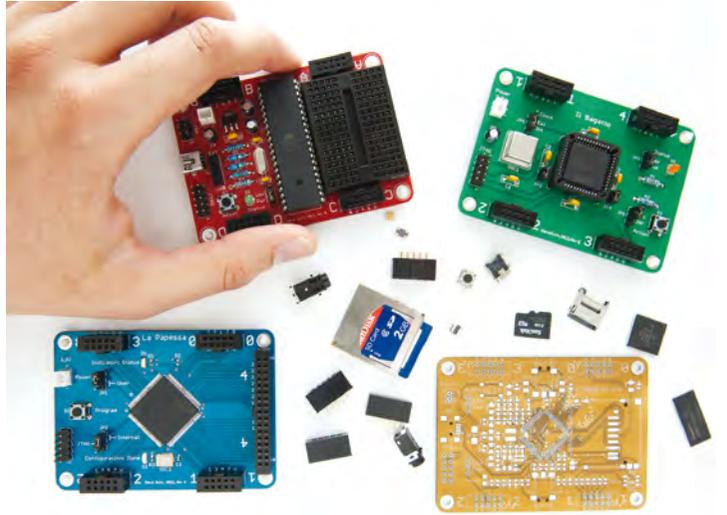
# MEng Electrical and Electronic Engineering (cont.)

## Key information

### 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.



### Innovative teaching

Our students enhance their practical skills in digital electronics by building and using our Micro Arcana family of four 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 in-house to enhance student learning and include similar capabilities to 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:

- 100 per cent of our BEng Electrical Engineering and BEng Electronic Engineering graduates go onto professional and managerial positions or further study. (Unistats, 2015)

- The average starting salary for our Electrical Engineering and Electronic Engineering graduates in the UK is £29,000 (RM171,000)
- Final-year student Tom Bell has used skills and knowledge learned on his MEng course in Electronic Engineering with Mobile and Secure Systems to write and publish the book, *Programming for Everyday Life* – a beginners guide to the basics of programming in Python; programming for the Web; and using technology to create applications, services and tools that transform lives
- Professor William Webb, Electronic Engineering graduate and visiting professor, has been appointed President of the Institution of Engineering and Technology (IET) – the accrediting body for our EEE degree and one of the world's largest organisations for engineers and technicians. He says the degree was the perfect start for him on a career in wireless communications, and his entire career direction can be traced back to his third-year Communications module

## Find out more

T: +607-560 2560 (Malaysia)

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

E: [marketing.malaysia@southampton.ac.uk](mailto:marketing.malaysia@southampton.ac.uk)

 To download brochure  
[www.southampton.edu.my](http://www.southampton.edu.my)

## World-class facilities

Our unrivalled world-class facilities are fitted with industry-standard equipment in superb laboratories.

The Mountbatten Building in Southampton is home to the £110m (RM650m) multidisciplinary cleanroom complex, one of the world's leading research facilities for nanotechnology and photonics. Third- and fourth-year students may also use the Tony Davies High Voltage Laboratory – one of only a handful of similar facilities in Europe and an active centre for research into dielectric materials, insulation systems and high voltage related phenomena.

A person wearing a full-body blue cleanroom suit, including a hood and gloves, is working on a complex piece of electronic equipment in a laboratory. The equipment is mounted on a metal frame and has many wires and components. A large blue flexible duct is suspended from the ceiling, and a metal pipe is visible above it. The background shows a cleanroom environment with shelves and other equipment.

“The courses in Southampton are very challenging, but with the very supportive academic staff and well equipped laboratories available, the courses actually help us to become more innovative and able to solve problems from different perspectives.”

**Woon Peh Yee**

MEng Electrical and Electronic Engineering

# COURSE OVERVIEW

## Mechanical Engineering

### Choose Southampton

- One of the top ten UK universities for Mechanical Engineering (Guardian University Guide, 2017)
- Degrees accredited by the Institution of Mechanical Engineers (IMechE) in the UK
- MEng programmes provide direct route to Chartered Engineer (CEng) status
- 95% of our students were satisfied with the quality of learning resources available to them (NSS, 2015)
- The split-campus programme is identical to that offered in the UK and provides the same format and opportunities to study

**90%**

of students entered graduate-level jobs or further study within six months of graduation (Guardian University Guide 2017)

We have

**11**

degrees:  
choose the right  
one for you

Fourth year students investigating the aerodynamic, structural and economic performance of a joined blade rotor wind turbine system

**Mechanical engineering is vital to every aspect of our daily lives – you can see it at work all around you. It is a challenging and exciting subject that covers a wide range of technical activities, including the design of machines, manufacturing processes, biomedical engineering and microsystems technology. Here at Southampton, you will learn the 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 systems approach to most subjects – blending the core technical syllabus with ongoing design exercises that run throughout the programme.**

## Accreditation

Our MEng is accredited by the Institution of Mechanical Engineers (IMechE) on behalf of the UK’s Engineering Council for the purposes of fully meeting the academic requirement for registration as a Chartered Engineer in the UK. This accreditation is recognised by engineering boards around the world, including the Board of Engineers Malaysia via the international agreement known as the Washington Accord. Our BEng is accredited for the purposes of fully meeting the academic requirement for registration as an Incorporated Engineer and partly meets the academic requirement for registration as a Chartered Engineer.

## Programme structure

We employ a combination of formal and special lectures, tutorials, laboratory experiments, coursework and individual and group projects. Practical laboratory work forms an essential part of our programmes, providing opportunities to use our engineering facilities and improve critical skills and judgement. You will also 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 campuses, with two semesters commencing at the end of September and January. Examinations are at the end of January and May. Each module is a self-contained part of the programme of study and carries a credit rating.

Should you choose to exit this programme after successfully completing three years of study, you will be eligible for a 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.

### Years one and two in Malaysia

During your first two years at our Malaysia Campus, you will focus on core engineering science with an emphasis on mechanical engineering, through practical laboratory sessions and lectures. The first two years are the same across the Mechanical Engineering degrees, with students specialising in their third and fourth years.

In years one and two, you will study the principles of mechanical engineering, modelling and systems design, to develop skills required in the workplace. In year two, you will also put your learning into practice by analysing and designing objects and systems in motion.

### Years three and four in the UK

During years three and four in the UK, you will study a number of core modules specific to your chosen degree. You will also have the opportunity to demonstrate your knowledge and skills through practical projects.

During year three, you will undertake an individual design or research project, which is often sponsored by industry. In year four, you will work on a group design project. Previous examples include the design, manufacturing, and testing of a hybrid rocket motor. You will also take optional modules which will allow you to specialise in areas of interest, such as materials or management.

## Core modules

<b>Year 1</b>
Design and Computing
Electrical and Electronic Systems
Mathematics for Engineering and the Environment
Mechanics, Structures and Materials
Professional Engineering and Functional Materials
Thermofluids
<b>Year 2</b>
Electronics, Drives and Control
Engineering Management and Law
Fluid Mechanics
Materials and Structures
Mathematics for Engineering and the Environment Part II
Mechanics, Machines and Vibration
Systems Design and Computing
Thermodynamics
<b>Year 3</b>
Engineering Design with Management
Individual Project
<b>Year 4</b>
Group Design Project

### Further information

For information on modules available in years one and two, visit [www.southampton.ac.uk/my/mech](http://www.southampton.ac.uk/my/mech)

For information on modules available in years three and four, visit [www.southampton.ac.uk/engineering/mech](http://www.southampton.ac.uk/engineering/mech)

# MEng Mechanical Engineering

## Key information

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

**A levels:** **A\*AA** in Mathematics, Physics (A\* in either) and one other (except General Studies and Critical Thinking)

**IB:** **38 points** overall, 18 at Higher Level including 6 in both Higher Mathematics and Higher Physics

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

**Unified Examination Certificate (UEC) – Senior Middle Level:**

Minimum **5 As** including Mathematics I and II and Physics (not including Art, Chinese or Malay)

**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 qualifications:**

**IELTS 6.5** overall with at least **5.5** in each competence. For other qualifications accepted, visit [www.southampton.ac.uk/admissions\\_language](http://www.southampton.ac.uk/admissions_language)

**Application process:** Apply directly via our website [www.southampton.ac.uk/my/apply](http://www.southampton.ac.uk/my/apply)

Our typical entry requirements may be subject to change.

Before you apply, please visit [www.southampton.ac.uk/my/entry-requirements](http://www.southampton.ac.uk/my/entry-requirements)

## Find out more

**T:** +607-560 2560 (Malaysia)

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

**E:** [marketing.malaysia@southampton.ac.uk](mailto:marketing.malaysia@southampton.ac.uk)

 **To download brochure**  
[www.southampton.edu.my](http://www.southampton.edu.my)

### Degree | Duration

#### MEng Mechanical Engineering | 4 years

This programme covers all the traditional core subjects of mechanical engineering, with opportunities to take options that reflect your particular interests, for example automotive, engineering management and sustainable energy systems.

#### MEng Mechanical Engineering/ Acoustical Engineering | 4 years

The noise and vibration performance of many engineering designs is critical to their success. For example, reducing noise is a key requirement for aircraft, trains and domestic products. You will learn about the analysis, control and design of sound and vibration from world-leading experts in acoustics. You can specialise in diverse areas such as architectural and building acoustics.

#### MEng Mechanical Engineering/ Advanced Materials | 4 years

This programme will help you develop an in-depth knowledge of the properties of different materials, including composites, which will help you understand the selection of materials in design and manufacture. You will also investigate the modelling of material behaviour and put these skills into practice in your individual and group projects.

#### MEng Mechanical Engineering/ Aerospace | 4 years

This programme allows you to specialise in aerospace systems while maintaining a broad based mechanical engineering background. The focus is on aircraft aerodynamics, propulsion, avionics and structural design. In the fourth year, you also get the opportunity to develop your management skills.

#### MEng Mechanical Engineering/ Automotive | 4 years

On this industry-driven programme, you will learn the fundamental principles of vehicle dynamics, structural design, propulsion and automotive electronics. You also have the opportunity to specialise in areas such as race car aerodynamics.

#### MEng Mechanical Engineering/ Biomedical Engineering | 4 years

This programme provides an insight into the mechanics of the human body and introduces you to the challenges faced in the design, development and testing of medical implants and other devices. In particular, it focuses on orthopaedic biomechanics and issues related to the selection of materials and design as well as the computational methods used to assess their performance.

#### MEng Mechanical Engineering/ Computational Engineering and Design | 4 years

This programme focuses on the relationship between computation procedures and design. You will develop a sound understanding of using computational methods to solve engineering design problems, for instance using design search and optimisation techniques.

*continued overleaf* ▶



We have a specialist hip simulator that can test the life of hip replacements.

# MEng Mechanical Engineering (cont.)

## Key information

### Career opportunities

Our graduates enter a range of rewarding careers, including automotive and aerospace engineering, biomedical engineering, materials engineering, the marine and off shore industry, defence and the armed forces, research and development, as well as IT and financial services.

Typical roles include Helicopter Engineer, Development Engineer, CAD Designer, Aerospace Design Engineer, Automotive Engineer, Thermal Systems Engineer.

### MEng Mechanical Engineering / Engineering Management | 4 years

In this programme, you will learn about the importance of links between engineering and management, acquiring the technical skills to understand, design and manufacture new products and the expertise to manage the process, people and finances. You will have the opportunity to study specialist modules including industrial law and strategic management.

### MEng Mechanical Engineering / Mechatronics | 4 years

Many of the most exciting challenges for mechanical engineers lie at the interface between mechanical engineering and electronics. This programme provides you with a deeper insight into sensors and instrumentation, control and signal processing, and automation and robotics.

### MEng Mechanical Engineering / Naval Engineering | 4 years

This programme has been developed in conjunction with the Royal Navy to provide detailed understanding of marine systems engineering and design, balanced with broad training in the key principles of mechanical engineering. Modules in management, marine law and maritime safety will help you develop a range of skills that are particularly suitable if you are interested in naval engineering.

### MEng Mechanical Engineering / Sustainable Energy Systems | 4 years

Sustainable energy supply represents one of the key challenges to engineering today. This programme provides you with an overview of modern energy technologies, including renewable energy sources, fuel cells, nuclear engineering and energy economics. You will also study the economics behind energy technology investments and develop your management skills.

## Find out more

T: +607-560 2560 (Malaysia)

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

E: [marketing.malaysia@southampton.ac.uk](mailto:marketing.malaysia@southampton.ac.uk)

 To download brochure  
[www.southampton.edu.my](http://www.southampton.edu.my)

“I have been really keen on machinery since I was young, especially heavy machines and hydraulics systems, and this is why I chose this course. I also wanted to experience university life, as it will have a great impact on my future.”

**Teh Gem Kiat**  
MEng Mechanical Engineering



Students can test the aerodynamics of their designs in one of our wind tunnels

# COURSE OVERVIEW

## Engineering Foundation Year

### 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
- Two intakes a year - April and July

Taught  
**on campus**  
by  
**University  
academics**

Choose from  
**17**  
undergraduate  
degree subjects  
on completion

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

# Engineering Foundation Year

## Key information

### Course | Duration

#### Engineering Foundation Year | 1 year

The Foundation Year will enhance your technical and academic skills, preparing you for undergraduate study.

The Engineering Foundation Year is a one-year preparatory course, which then leads to a four-year (MEng) degree programme. On successful completion, you will be guaranteed a place on one of our engineering degree programmes.

Our course provides the same world-leading education that we offer at our UK Campus. You will build a solid understanding of the key concepts of mathematics, mechanics, electricity and electronics and engineering principles. The Foundation Year will also develop the academic skills required to study successfully for an undergraduate degree.

You will receive a high level of learning support while you study full-time through a combination of lectures, small-group tutorials, workshops, laboratory practicals and private study. You will be assessed through examinations and coursework assignments.

“The Foundation Year has prepared me well for the future by offering an opportunity for both academic and personal development.”

**Lim Jia Jun**  
Engineering Foundation Year

Students may choose degree programmes in the following subjects:

#### At University of Southampton Malaysia Campus

- 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
- Mechatronics Engineering
- Physics
- Ship Science
- Software Engineering

#### Typical course content

- Academic Skills
- 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

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

#### Sijil Pelajaran Malaysia (SPM)/ O level or equivalent:

**5 As** in the science stream, including Mathematics and Physics. Minimum B+ in Additional Mathematics

**IB: 32 points** overall, and must not include Higher Level Mathematics and Physics

#### Sijil Tinggi Persekolahan Malaysia (STPM)/A level: **ABB** (cannot include subjects suitable for direct entry, normally Mathematics and Physics).

However, students need to show an aptitude for Mathematics and take a Foundation Mathematics test.

#### English language qualifications:

Students who achieve **IELTS 5.5** with at least **5.5** in each competence will be required to take the module English for Engineers and Scientists in all three semesters.

Students who achieve **IELTS 6.5** with at least **5.5** in each competence will only require English language classes in the first semester.

For other qualifications accepted visit [www.southampton.ac.uk/admissions\\_language](http://www.southampton.ac.uk/admissions_language)

**Application process:** Apply directly via our website [www.southampton.ac.uk/my/foundation/apply](http://www.southampton.ac.uk/my/foundation/apply)

Our typical entry requirements may be subject to change. Before you apply, please visit [www.southampton.ac.uk/my/foundation/about](http://www.southampton.ac.uk/my/foundation/about)

**Intakes:** April and July

## Find out more

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

**E:** [marketing.malaysia@southampton.ac.uk](mailto:marketing.malaysia@southampton.ac.uk)

 **To download brochure**  
[www.southampton.edu.my](http://www.southampton.edu.my)

# HOW TO APPLY

Wherever you are in the world, you can apply directly via our website.

## Step one

To download and complete the direct application form from the University of Southampton website, visit [www.southampton.ac.uk/my/application](http://www.southampton.ac.uk/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: this should be from your current or most recent place of study and should be on the institution's official letter head, signed by the referee and carry the institution's official stamp
- Transcripts showing previous academic awards: these must be certified as a true copy by the awarding institution or by a University of Southampton official agent
- Your current academic transcripts or forecast result: these must be certified by your institution
- 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@soton.ac.uk](mailto:admissions.malaysia@soton.ac.uk)

## Step two

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

## Step three

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

### Application deadlines for international students

- Undergraduate programmes (Sept intake): **01 June 2017**
- Engineering Foundation Year (April intake): **01 December 2016**
- Engineering Foundation Year (July intake): **01 March 2017**

### Application deadlines for Malaysian students

- Undergraduate programmes (Sept intake): **15 August 2017**
- Engineering Foundation Year (April intake): **14 April 2017**
- Engineering Foundation Year (July intake): **15 June 2017**

## 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.ac.uk/my/entry-requirements](http://www.southampton.ac.uk/my/entry-requirements)
- For Engineering Foundation Year: [www.southampton.ac.uk/my/foundation/about](http://www.southampton.ac.uk/my/foundation/about)

For the latest information about our English language entry requirements, visit [www.southampton.ac.uk/admissions\\_language](http://www.southampton.ac.uk/admissions_language)

Read our Admissions Policy at [www.southampton.ac.uk/admissions-policy](http://www.southampton.ac.uk/admissions-policy)

Apply by  
**30 June 2017**  
for undergraduate programmes



# ACCEPTING AN OFFER

We aim to make the application process as easy and quick for you as possible. Once you have received an offer of study from us, follow the instructions below to confirm your place.

## Step one

To accept your offer to study with the University of Southampton, complete the Reply to Offer form sent to you with your offer letter and return it by email to the Admissions team at [admissions.malaysia@soton.ac.uk](mailto:admissions.malaysia@soton.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 the University of Southampton, 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. An official receipt will be issued to you once payment has been received.

There are two ways to make your payment. Use only one of the following methods:

- By crossed cheque or bank draft made payable to **USMC Sdn Bhd**. This should be sent to the Admissions team, University of Southampton Malaysia Campus, No. 3, Persiaran Canselor 1, Kota Ilmu EduCity, 79200 Iskandar Puteri, Johor, Malaysia. An official receipt will be sent to you once funds have cleared
- By telegraphic bank transfer or by over-the-counter payment direct to our HSBC account. A copy of your remittance advice or stamped over-the-counter paying in slip should be sent to the Admissions team at [admissions.malaysia@soton.ac.uk](mailto:admissions.malaysia@soton.ac.uk). An official receipt will then be sent to you

## Bank Name:

HSBC Bank Malaysia Bhd

## Account No:

313-365157-101

## Branch:

Johor

## Swift No:

HBMBMYKL

## Step four

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

 **Find out more**  
[www.southampton.edu.my](http://www.southampton.edu.my)

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# FEES

## Undergraduate Programmes

For undergraduate students the cost of obtaining an engineering degree at our University of Southampton Malaysia Campus (two years in Malaysia and two years in the UK) is around 65 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 2017/18	
	Malaysian students	International students
Years 1 and 2 (in Malaysia)	RM47,300 per annum	RM53,800 per annum
Years 3 and 4 (in the UK)	£19,725 per annum†	£19,725 per annum†

† The fees listed for years 3 and 4 (in the UK) will be subject to a 20% Transition Bursary for all Malaysia Campus students who have passed years one and two at the Malaysia Campus. The fee for studying in the UK for years 3 and 4 will be £15,780 each year.

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

	Fees 2017/18
Malaysian students	RM27,600
International students	RM31,200

\* This figure is based on international tuition fees, includes the 20% Transition Bursary and uses the exchange rate £1 = MYR 5.3 as of September 2016. The cost of studying the same degree in the UK (4 years in the UK) is £19,725 per annum.

 **Find out more**  
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**E:** [marketing.malaysia@southampton.ac.uk](mailto:marketing.malaysia@southampton.ac.uk)

# SCHOLARSHIPS

## Undergraduate Scholarships

All applicants to the University of Southampton Malaysia Campus 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.

**Top Achiever Scholarships:** 100 per cent scholarships are awarded to our most academically outstanding students at entry. These are highly competitive and the number awarded varies each year. 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. No separate application is needed, students are automatically considered.

**High Achiever Scholarships:** 25 per cent scholarships are awarded to all students achieving a minimum of AAA grades in A levels or equivalent. The scholarships are a reduction in 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 study for years one and two at our Malaysia Campus and progress to years three and four at our Southampton Campus. Students must pass years one and two in order to receive these scholarships, which are a reduction of the year three and year four tuition fees.

## Foundation Year Scholarships

The University offers a wide range of scholarships to Foundation Year applicants. These are based on academic excellence and achievement and are open to both Malaysian and international applicants. All scholarships are bond-free.

**Top Achiever Scholarships:** 100 per cent scholarships are awarded to all students achieving a minimum of 9A+ and above in SPM/9A\* and above in O level (must include A in Physics and Mathematics and minimum B+ in Additional Mathematics). These scholarships do not include living expenses. The scholarships are non-transferable and only apply whilst the recipient remains a registered, full-time, active student for the duration of the programme. Recipients of the Top Achiever scholarships must pursue an undergraduate programme at the University of Southampton Malaysia Campus after completion of the Engineering Foundation Year. The recipient will need to refund the scholarship amount in full in the event of change of course or university. No separate application is needed, students are automatically considered.

**High Achiever Scholarships:** scholarships are awarded to all students who receive the grades below.

### 5-6 As in SPM/O level:

15 per cent scholarships are awarded to all students achieving 5-6 As in SPM/O level\*.

### 7-8 As in SPM/O level:

25 per cent scholarships are awarded to all students achieving 7-8 As in SPM/O level\*.

### 9-10 As in SPM/O level:

30 per cent scholarships are awarded to all students achieving 9-10 As in SPM/O level\*.

### 11 As and above in SPM/O level:

35 per cent scholarships are awarded to all students achieving 11 As and above in SPM/O level\*.

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

The scholarships are a reduction in tuition fees. No separate application is needed, students are automatically considered.

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

10 per cent reduction of year one fees for all students who progress.

25 per cent reduction of year one fees for students with a minimum average of 75 per cent in Foundation Year.

50 per cent reduction of year one fees for students with an average of 90 per cent and above in Foundation Year.

For more information on our scholarships, visit [www.southampton.ac.uk/my/scholarships](http://www.southampton.ac.uk/my/scholarships)

 **Find out more**  
[www.southampton.edu.my](http://www.southampton.edu.my)

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# STUDENT SUPPORT

Students from more than 130 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)

### Careers and Employability Service

Students at our Malaysia Campus will have access to online resources and guidance materials.

### 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. These services are accessible from Malaysia, via Skype. 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.

### International visits

Staff from our Malaysia and UK campuses make numerous visits overseas each year, including pre-departure information briefings. Face-to-face contact is the best way of getting to know the University if you can't actually visit us here. For a list of events we will be attending in the future, visit [www.southampton.ac.uk/meetus](http://www.southampton.ac.uk/meetus) and [www.southampton.ac.uk/my/events](http://www.southampton.ac.uk/my/events)

### 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 our Malaysia Campus as simple and stress-free as possible. To ensure you are met by a University staff member, inform our Malaysia Campus seven working days before you travel.

### 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.ac.uk/my/open-days](http://www.southampton.ac.uk/my/open-days)

### Pastoral Support

We recognise that university life is not just about your studies. You will be assigned a personal tutor who can provide help and support on academic and personal issues.

### Transition to UK

We provide comprehensive guidance when you move from our Malaysia Campus 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.ac.uk/my/transition](http://www.southampton.ac.uk/my/transition)

### Welcome Programme

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

## SUPPORT IN THE UK (Years three and four)

### Careers and Employability Service

Our support 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.

### 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. These services can be offered via face-to-face appointments, on the phone or via Skype.

### Financial Information and Assistance

Should you find yourself in financial difficulty while studying at the University of Southampton, the Financial Information and Assistance team may be able to provide you with help and support.

### 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.

### Meet and Greet

Our Meet and Greet Service from London Heathrow Airport 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](http://www.southampton.ac.uk/international-welcome)

### Pastoral Support

We recognise that university life is not just about your studies. You will be assigned a personal tutor who can provide help and support on academic and personal issues.

### Students' Union

The Union's Advice Centre offers free, confidential and impartial advice on matters including student finance, debt management, budgeting, academic issues and housing. For more information, visit [www.unionsouthampton.org/advicecentre](http://www.unionsouthampton.org/advicecentre)

### University Residences

The Residences Support Service team is the first point of contact for residents out of hours. The team is available every night of the year, between 6pm and 8am.

### Welcome Programme

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

# INTERNATIONAL STUDENTS

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.

## Cost of Living

The cost of living in Malaysia (in addition to tuition fees) will be approximately RM1,200 – RM1,500 per month. This should cover your accommodation, food, daily travel, books, stationery, dissertation preparation and other items.

## Facts about Malaysia

- Malaysia has a diverse mixture of races and religions with a population of more than 26 million. For information about Malaysia's culture and heritage, visit [www.tourism.gov.my/en/my/about-malaysia](http://www.tourism.gov.my/en/my/about-malaysia)
- Bahasa Malaysia is the national language but English, Mandarin and Tamil are also widely used
- Islam is the official religion of Malaysia, but the Constitution guarantees freedom of worship, whereby Christianity, Hinduism, Buddhism and other religions are freely practised

- Malaysia is divided into 13 states and three Federal Territories (Putrajaya, Kuala Lumpur and Labuan)
- Malaysia is a tropical country, with typical temperatures ranging from 21°C to 32°C. Humidity is typically around 80 per cent
- Malaysia has two distinct seasons: the dry season lasts from May until September and the rainy season lasts from mid-November until March
- Malaysia's currency is known as Ringgit Malaysia (RM or MYR)

## International Student Guide

For information on customs regulations, immigration, medical insurance and the student pass, please see our International Student Guide [www.southampton.ac.uk/my/international-guide](http://www.southampton.ac.uk/my/international-guide)



## 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 to make your journey to our Malaysia Campus as simple and stress-free as possible. If you have booked accommodation at EduCity Student Village, we will arrange for you to be taken directly there.

## Quality of Education Experience

Our Malaysia Campus will offer you the same quality of teaching as in the UK and an outstanding learning experience, much of it delivered by UK academic staff.



 **Find out more**  
[www.southampton.ac.uk/my/international](http://www.southampton.ac.uk/my/international)

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**T:** +607-560 2560 (Malaysia)

**E:** [marketing.malaysia@southampton.ac.uk](mailto:marketing.malaysia@southampton.ac.uk)

# HOW TO FIND US

## Malaysia

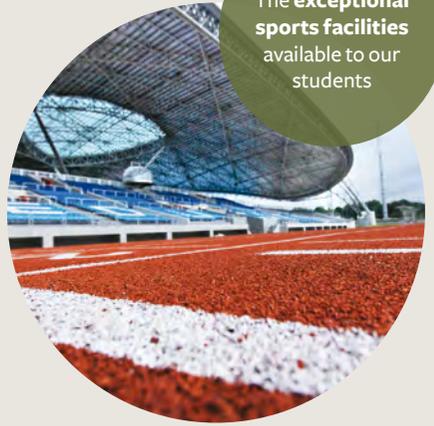
Our Malaysia Campus is located near the southwestern tip of Malaysia, about four-hours drive south of Malaysia's capital city, Kuala Lumpur.

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.

The **exceptional sports facilities** available to our students



## University of Southampton Malaysia Campus (913717-X)

No. 3, Persiaran Canselor 1,  
Kota Ilmu EduCity,  
79200 Iskandar Puteri, Johor,  
Malaysia

KPT/JPS/DFT/US/Jo4



A 305-acre site dedicated to education, **EduCity** is modelled on the Dubai Knowledge City

## 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.

Malaysia Campus students visiting Southampton Football Club



Top  
**10**  
retail destination  
in the UK



**Coastal location** offering a vast range of **sport and leisure opportunities**, with **waterfront marinas, restaurants and bars**



Southampton is  
**1 hour  
15 mins**  
from London by train



Find out more  
[www.southampton.ac.uk/visitus](http://www.southampton.ac.uk/visitus)



# TERMS & 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](http://www.calendar.soton.ac.uk)

## Terms of use

This prospectus does not constitute an offer or invitation by the University of Southampton to study at Southampton. It provides an overview of the University and life at Southampton, along with information about all the undergraduate programmes available at the time of publication. This is provided for information purposes only. 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.

## 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 prospectus, 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)

- 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.

a. 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.

b. If the Change comes into force **after** an **offer** has been accepted but prior to the student **enrolling**, the student may either:

- i) withdraw from the University and be given an appropriate refund of tuition fees and deposits, or
- ii) 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.

- c. 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.

## 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.

## 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.southampton.ac.uk/admissions-policy](http://www.southampton.ac.uk/admissions-policy)

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](http://www.calendar.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; [admissions@soton.ac.uk](mailto:admissions@soton.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 in accordance with the requirements of the Data Protection Act 1998.

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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.

## MOE registration number

KPT/JPS/DFT/US/Jo4

www.southampton.edu.my  
marketing.malaysia@southampton.ac.uk  
+607-560 2560 (Malaysia)



/MalaysiaCampusSoton



/Southampton\_MY



/uni\_southampton\_malaysia



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