



The University of Nottingham

UNITED KINGDOM · CHINA · MALAYSIA

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The University of Nottingham

UNITED KINGDOM · CHINA · MALAYSIA

# The University of Nottingham Malaysia Campus

## Undergraduate Prospectus 2013/14

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

The University of Nottingham Malaysia Campus KPT/JPT/DPT/US/819





## Welcome to The University of Nottingham Malaysia Campus

“The University of Nottingham is often described as one of the world’s truly global universities and we are proud to have established the UK’s first fully fledged international campus here in Malaysia. At our campus on the outskirts of Kuala Lumpur we offer a range of degree programmes from one of the world’s leading research intensive universities. We have had ties with Malaysia for more than six decades and our extensive alumni community includes many prominent representatives of Malaysian society, members of the royal families, senior politicians, and leaders of business and industry. We would be delighted to welcome you to join an international community of teachers and researchers at our Malaysia Campus where you can enjoy a rewarding campus lifestyle while experiencing a British education in a truly Malaysian setting.”

**Professor Christine Ennew**

Provost and Pro Vice Chancellor, The University of Nottingham Malaysia Campus

The University of Nottingham Malaysia Campus (UNMC) is a world-class international institution providing the unique opportunity to gain a top-quality UK degree whilst studying in Malaysia. In 2000 The University of Nottingham became the first British university to set up a branch campus in Malaysia, earning the Queen’s Award for Enterprise 2001 and the Queen’s Award for Industry (International Trade) 2006. Since opening in Malaysia we have also established a thriving campus in Ningbo, China, making us a truly international institution.

After opening our Malaysia Campus in central Kuala Lumpur in 2000, we moved to a beautiful, purpose-built campus in 2005. Situated near Semenyih – about 45 minutes’ drive from Kuala Lumpur City Centre and 30 minutes’ drive from Kuala Lumpur International Airport – our thriving campus is home to over 4,500 students from over 70 countries. Our international student community enriches and enliven the student experience at UNMC, providing a vibrant and diverse multicultural environment in which to live and study.

The Malaysia Campus is a full and integral part of The University of Nottingham, UK. The campus itself shares design themes that mirror characteristics of our University Park Campus in Nottingham, UK, and provides a complete student experience with first-class facilities for teaching and learning, research and leisure. All teaching, assessments and examinations are carried out in English.

The University of Nottingham is ranked within the top 1% of all universities worldwide and is recognised internationally for its world-leading research. As a research-led university, students studying at UNMC will be connected to leading academics, the latest research and renowned global companies.

Our worldwide network, UK-quality degrees and field-leading academics all combine to offer a life-changing educational experience that will serve to enhance your career prospects and realise your true potential. This prospectus offers an overview of the opportunities available to you as a student at UNMC. If you would like any further information, please do not hesitate to contact us.

We look forward to welcoming you soon.

Take the next step at [www.nottingham.edu.my](http://www.nottingham.edu.my)

One of the first things you see on entering the Malaysia Campus is the beautifully landscaped lake.

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Undergraduate students studying in the library at the Malaysia Campus.

## Key facts

- The University of Nottingham is ranked within the top 1% of all universities worldwide
- The University of Nottingham Malaysia campus ranks among the country's elite with a Tier 5 'Excellent' rating in the 2011 Malaysian national assessment of teaching and learning - SETARA
- The University of Nottingham Malaysia Campus (UNMC) enables you to gain a UK degree while studying in Malaysia
- The campus has over 4,500 students coming from over 70 countries around the world
- Student life at UNMC is packed full of extra curricular opportunities and chances to meet people from all over the world, learn new skills and enhance your employability potential
- Many of our courses could provide you with an opportunity to study for part of your degree in another country, in the UK or one of our partner institutions across the globe
- Nottingham is a truly international institution and all of our students develop a global perspective that is attractive to employers

# World-class education

## Global top 75

At The University of Nottingham we are proud to be considered one of the best universities in the world and provide an internationally-leading education. We are consistently rated as amongst the top universities in the UK and Malaysia, and are ranked in the top 1% of all universities across the globe.

In the latest global tables we are firmly established amongst the world's elite higher education institutions.

## QS World University Rankings

- Top 1% of universities worldwide
- 72nd in the world
- World top-25 choice for employers (by employer reputation)

## UK top ten

### Academic Ranking of World Universities 2012

- 9th in the UK

We sit firmly amongst the top ten universities in the UK and are ranked alongside the best institutions in the UK league tables.

## National excellence

The 2011 SETARA rating system for Malaysian higher education institutions saw us again rank amongst the best universities in Malaysia with a Tier 5 'Excellent' rating. There are currently no universities in Malaysia rated as Tier 6.

We also received a 4\* rating (the maximum is 5\*) for research activities and publications in the 2011 Malaysian Research Assessment Exercise (MyRA).



Get hands on with state-of-the-art equipment and facilities in our laboratories.

# Teaching excellence

At Nottingham, we have an outstanding reputation for teaching quality. Our commitment to maintaining excellence in the provision of learning and teaching ensures that the University is consistently among the highest ranking performers in independent teaching assessments.

## The Nottingham teaching model

The University of Nottingham model shapes the approach to teaching at UNMC. Our degrees are University of Nottingham degrees, and are subject to the same quality assurance processes.

Students graduate with a degree from The University of Nottingham, whether they complete their programmes at our campuses in the UK, China or Malaysia and irrespective of which campuses they visited during their programme.

## Our courses and accreditations

We offer a comprehensive and varied choice of courses, catering to students at all levels, through foundation, undergraduate and postgraduate to PhD. Our degrees are accredited by international professional bodies such as the Association of MBAs, the UK Engineering Council and General Pharmaceutical Council (UK), proving that our programmes are internationally tested for quality.

## Studying in English in Malaysia

All our degree programmes are taught using English language, and you will receive a British-style education. All coursework material are in English, all examinations and assignments are submitted in English.

All of our courses are taught using a variety of teaching and assessment methods. This can include lectures, workshops, seminars and smaller study groups. The relatively small size of our student body allows for a more intimate teaching and learning experience, with academics readily approachable to provide further one-to-one support where needed. In addition, our personal tutorial system gives you access to an academic member of staff to assist you in any non-academic issues that you might face during your time at University. Our student-centred style of learning equips you with the skills and analytical abilities necessary to thrive in business and industry. As an international university we pride ourselves on generating graduates with global attributes for the global workplace.

## Academic excellence

Our academic staff members are selected on the basis of their excellence in teaching and research. While some come straight from The University of Nottingham, UK, others are appointed in open international competition to work at The University of Nottingham Malaysia Campus, and we apply the same high standards that we require of staff appointed to work at our UK campus.

## Taught courses

Taught courses for undergraduate and postgraduate students provide a structured framework for study. They are based upon a programme of lectures, seminars and tutorials and normally include compulsory core modules and the opportunity to select a number of optional modules.

We offer dozens of taught courses, spanning a range of disciplines and subjects across engineering, science and the arts and social sciences. These courses aim to equip you with a curiosity-driven and deep understanding of your subject, as well as a critical approach and skills relevant to your future career.

Our teaching is informed by the very latest research findings. Our taught courses constantly evolve to incorporate new research developments and many are delivered by research scholars, passionate about their subjects. We also regularly consult with businesses and employers to ensure our programmes provide you with the opportunity to develop key transferable skills for employment.

[www.nottingham.edu.my/teachingandlearning](http://www.nottingham.edu.my/teachingandlearning)

“Students at UNMC benefit from a world-class UK education delivered locally. Our teaching is directly informed by our internationally renowned research, ensuring our courses are always relevant and up-to-date. This equips our graduates with the knowledge and skills needed to thrive in their future careers, making them an attractive prospect to any employer in an increasingly competitive global employment market.”

**Professor Stephen Doughty**  
Vice-Provost for Teaching and Learning



Students enjoy their graduation - a proud and happy day for all at UNMC.

“Malaysia is operating within an emerging economy, backed by a government with a desire to translate high-quality research into real, long lasting benefits for the society and the economy. At UNMC we aim to play our full part in this economic transformation.

Working with our colleagues in the UK and China, we welcome the challenge of making a major and lasting impact on the social, political and cultural developments in Malaysia, as well as Asia.”

**Professor Graham Kendall**  
Vice-Provost for Research and Knowledge Transfer

**Nottingham is internationally renowned for its world-changing and award-winning research. In Malaysia, the University is utilising the unique environment to undertake internationally leading research that will not only have an impact nationally but will influence and inform many disciplines globally.**

For our students this means that teaching and learning opportunities are directly informed by cutting-edge research. Course activities are enriched by guest lectures from visiting scholars, research seminars, workshops and student conferences. Classes are led by tutors who are actively involved in extending the boundaries of our knowledge, and who seek to promote a community of learning in which undergraduate and graduate teaching feeds directly into a collective and collaborative intellectual endeavour. This is particularly important in the final years of undergraduate study, when students often undertake their own research projects and dissertations under the supervision of individual members of staff. Many use this experience as a springboard for further study and research at The University of Nottingham and other world-leading research universities. Still more find this leads directly into career and employment opportunities.

At The University of Nottingham Malaysia Campus the scope of research projects taking place is impressive and spans all our faculties and disciplines. We have an interest in undertaking research that is relevant to our host country, Malaysia, and our research priority areas cover aerospace, Autism, business innovation and productivity, communications and cultures, cross-cultural occupational health, drug discovery and delivery, food and bioproduct processing, green technologies, intelligent computation, nanotechnology and advanced materials, post-harvest biotechnology, renewable energy and sustainable crops.

Our particular strength in sustainable crops is highlighted by the establishment of the Crops for the Future Research Centre, a joint venture hosted by The University of Nottingham Malaysia Campus and Bioversity International.

[www.nottingham.ac.uk/globalfoodsecurity/cropsforthefuture](http://www.nottingham.ac.uk/globalfoodsecurity/cropsforthefuture)

Our position amongst other UK institutions is unique. We are able to call upon a very strong research base in UK and China but we also have the opportunity to carry out leading-edge research which is simply not possible in the UK. The University is dedicated to attracting and retaining the highest calibre of staff, and maintain the high quality of its facilities and resources – all the attributes which have placed Nottingham as one of the world’s top ranking universities.

#### Engaging with business

To foster and encourage business and industry access to University of Nottingham knowledge and research expertise we have formed two companies, MyRIAD (Malaysia Research Innovation and Development Solutions) and MyResearch. These companies focus on training, commercialisation and consultancy with an objective of exploiting the world leading research that is carried out at UNMC, as well as providing training to a wide range of stakeholders. Through our extensive national and international networks and with our range of advanced specialist knowledge in a large number of fields, MyRIAD and MyResearch have the ability to capitalise on a unique combination of business acumen and technical expertise that is unavailable to any other university in Malaysia.

[www.nottingham.edu.my/research](http://www.nottingham.edu.my/research)

# World-changing research

Laboratory technician working on concrete beam testing equipment, Malaysia Campus.

**Combining beautiful gardens, striking architecture and state-of-the-art learning and research facilities, our University is an inspirational place to live, work and study.**

“Nottingham is the nearest Britain has to a truly global university, with campuses in China and Malaysia modelled on a headquarters that is among the most attractive in Britain.”

*The Times Good University Guide 2013*

# On campus

## **A strong sense of community**

Each University of Nottingham campus has a distinct style and personality. Common to all is a strong sense of community, created by approachable staff, a welcoming student body, excellent support services and a wide range of activities to help you meet new people and feel at home.

## **A truly Malaysian setting**

The University of Nottingham Malaysia Campus is based on a self-contained site near Semenyih in the state of Selangor, 30 kilometers from Malaysia's capital city, Kuala Lumpur. Rolling hills and lake views provide a stunning backdrop to our green and tranquil campus. The beautiful setting and state-of-the-art teaching, learning, research and leisure facilities combine to make an inspirational environment for studying and student life.

Transport is available from the campus to the nearest bus and rail stations providing easy access to Kuala Lumpur and the surrounding region. Kuala Lumpur International Airport is just a 30 minute drive away, making it an ideal base from which to explore locally and further afield.

## **Amenities for your convenience**

Our self-sufficient campus provides students and staff with a range of amenities. Facilities include 24-hour computer access, convenience stores, a book shop, ATMs, an extensive library, a sports complex, an Islamic Centre and a health centre.

## **Eat, drink and socialise**

The campus has an indoor and outdoor food court with a wide choice of food for all tastes, including Malay, Chinese, Indian and Western. A recent addition to our campus is the Central Cafe, offering a range of sandwiches, snacks and hot and cold beverages. It is the perfect place to relax and catch up with friends.

The campus offers many areas for outdoor study and relaxation.

**You will find our campus vibrant and welcoming with lots of events and activities to interest you. The Students' Association provides many opportunities to enhance your university life, and our facilities enable you to socialise, participate in many activities and take a break from academic life.**

#### Sports facilities

We have a range of sports facilities on campus that are open to all students, from serious athletes to casual competitors. Our outdoor facilities include a swimming pool, courts for tennis, netball, basketball and futsal, jogging tracks and a multi-purpose pitch for sports such as football, frisbee, hockey and rugby.

Indoor facilities include a fully-equipped gym, squash courts, table tennis, and multi-purpose halls for many sports including badminton, basketball, futsal and volleyball.

If you want to get involved in competitive sport, there are lots of opportunities. There are numerous sports clubs to get involved with, including basketball, chess, dance, dodgeball, football, frisbee, futsal, netball and scrabble. Students can also get involved with The University of Nottingham's annual Tri-Campus Games where students from our campuses in China, Malaysia and the UK compete for the title. The games are held on a different campus each year and are a huge event in the University's sporting calendar.

[www.nottingham.edu.my/sport](http://www.nottingham.edu.my/sport)

#### Student clubs and societies

In addition to our sports clubs there are over 40 clubs and societies to get involved with, providing students at The University of Nottingham Malaysia Campus plenty of opportunity to participate in year-round events. You can choose to get involved in a range of activities through the Student Association, including art, charity, cultural societies, motor, music, nature, photography, robotics and science. Our clubs and societies contribute to the lively atmosphere of the campus, with student events and performances providing additional entertainment on campus.

#### Health and wellbeing

In addition to the many opportunities available to students to enhance their life on campus we also hold the health and wellbeing of our students in high regard. The campus houses the University Health Centre where students and staff can seek medical advice and consultation. Highly trained staff at the centre can also dispense medicines and arrange for laboratory tests and referrals where necessary.

We also provide support for students through the University Wellbeing and Learning Support, a free and confidential service which provides emotional support for any students who may be experiencing difficulties or worries. Our professionally qualified counsellors and psychologists can help you cope with a range of issues, counselling you through personal problems, mental health concerns, relationship circumstances and academic or work-related situations.

#### Student Association

Our Student Association (SA) plays an important role in building a student's character and leadership qualities. Each year we hold an election to select Student Association committee members and office bearers. Becoming involved with the SA is a great opportunity to get more involved in student life at UNMC. It will give you the opportunity to directly contribute to the student voice and is a great way to enhance your CV.

The SA facilitates the many societies and associations which cater for the diverse background of students at UNMC. The activities undertaken by these societies and associations are fully supported by the University.

# Student life

The open-air pool is a popular facility on campus.



# Student support



The campus architecture echoes Nottingham's heritage as well as looking to the future.

**At The University of Nottingham Malaysia Campus we understand it can take time to adjust to living and studying in a new environment. We provide a number of dedicated services designed to help you with the transition to university life and beyond.**

## English language support

We believe that all students have the potential to complete their studies speaking excellent English. Having a good grasp of the English language will not only compliment and enhance your learning experience, it will also provide you with the skills needed to prosper in an increasingly globalised workplace.

We provide English language support for all students who need it through our in-session classes, which are free of charge. These may be aimed at generally improving your English, or they may be subject specific, helping you improve your proficiency in your area of study. If you take our three semester foundation programme you must take at least one module of academic English. This will teach you how express yourself in the style and format expected by a world-class international university.

Our tutors specialise in the area of English for Academic Purposes and help students hone your skills in the areas of reading, writing and speaking. We use up to date teaching methodology in order to equip you with the skills that you will need to prosper in an English Language academic environment. [www.nottingham.edu.my/cele](http://www.nottingham.edu.my/cele)

## Careers Service

The Careers Advisory Service (CAS) can play an important role in your development. Our services will provide you with essential resources and guidance in finding employment after your graduation and also help you to develop the skills needed to plan and manage your future. We provide practical advice on aspects such as writing a resume, interview skills and job hunting and through us you can also attend a number of careers events and fairs, providing the invaluable opportunity to meet potential employers from a large number of companies. [www.nottingham.edu.my/careers](http://www.nottingham.edu.my/careers)

## Academic and personal tutoring system

To help you in your academic studies we provide each student with a personal tutor, who are usually members of academic staff involved in the teaching of your course. At the start of each semester you will meet with your personal tutor and may turn to them for advice and help on all academic related matters.

## Student Association

As a student at the university, you are automatically a member of the Student Association (SA). The SA is run by an Executive Committee of 10 elected full-time student volunteers holding various portfolios to serve the student community. Being new students once themselves, they understand that being away from home can be quite daunting, no matter where you come from. That is why the SA Executives take care of the needs of the student community to ensure a good student experience from the time you arrive until you graduate.

The SA encourages you to get to know your peers and get involved with the wide range of events and activities organised by the Student Association Executive and its clubs and societies, beginning with the Fresher's Week for new students. (See student life page 14).

The SA has Networks, managed and run by students, to make sure your opinions and interests are represented to the University. By bringing matters concerning the improvement of student life to the university management, these Networks ensure that your voices are heard. <http://sa.nottingham.edu.my>

## Disability support

At The University of Nottingham Malaysia Campus we are strongly committed to the equality of opportunity in our provisions for all of our students. Our campus has been designed so that is accessible to all students and we offer support and assistance to ensure that you have access to all the facilities, services and alternative learning formats that you will need to complete your course as independently as possible.

If you are a student with a physical disability, dyslexia or a long term medical condition our disability service, offered through the University Counselling Service, offers support, advice and assistance on a range of matters. These include queries regarding admissions and registration, residential accommodation, assessments and adjustments to the learning, teaching and assessment environment, and access to alternative formats. [www.nottingham.edu.my/wellbeing](http://www.nottingham.edu.my/wellbeing)

## International Office

The International Office is responsible for directing UNMC's relations with foreign institutions and international students. As a prospective or current international student at UNMC, you can obtain support and advice from our dedicated International Office staff. This includes student welfare and non-academic matters such as medical insurance, banking and the management of student exchange and inter-campus transfer programmes. The International Office is also responsible for conducting the international student induction programme to help you adapt to a new environment and university life. [www.nottingham.edu.my/international](http://www.nottingham.edu.my/international)

## The Graduate School

The Graduate School promotes research and training on a campus-wide scale while creating links with the University's UK and China campuses and building and strengthening ties with the business and training community in Malaysia. Staff in the Graduate School offer support and guidance to all postgraduate students and are committed to working with you to ensure you receive all the relevant support and skills training you need to fulfil your potential. [www.nottingham.edu.my/gradschool](http://www.nottingham.edu.my/gradschool)

## Alumni

Graduates of The University of Nottingham remain part of our global community which currently numbers 200,000 worldwide. The Malaysian association, with some 5,000 members, plays a particularly important role for students at the Malaysia Campus. The University's Alumni office ensures that this invaluable resource remains relevant to you throughout your career and later life, wherever you may live, and acts as the focal point for your ongoing relations with the University. [www.nottingham.edu.my/alumni](http://www.nottingham.edu.my/alumni)

# Overseas opportunities

Students enjoy some tasty treats at the street market across the road from the China Campus.

Nottingham has an extensive network of exciting exchange links. We offer life-enhancing opportunities to study abroad at our campuses in the UK and China as well the chance to study for a period of time at partner universities across the globe.

If you are registered for your degree programme at UNMC, you can access opportunities to study for a period of time outside of Malaysia.

Some of our courses include compulsory periods at our UK campus.

#### Inter-campus exchange programmes

We offer a number of exchange opportunities for students to spend either one or two semesters of their studies at our UK or China campuses or at one of our partner universities across the globe.

Students on an exchange programme continue to pay their tuition fees to UNMC and pay no tuition fees to the partner institution. Students are responsible for the air tickets, accommodation and living expenses at the host institution.

#### Inter-campus transfer programme

Students registered at The Malaysia Campus are also eligible to transfer to The University of Nottingham, UK or China after at least one year at The Malaysia Campus, provided there is space at the appropriate school.

Transfer under this scheme is not available to students on the Student Exchange Scheme and is restricted by a fixed quota system set in the UK.

The normal fee chargeable for international students at UK or Ningbo is applicable to the time spent at the campus, China according to the country's currency exchange.

#### Study abroad programmes

In addition to exchange programmes where no additional tuition fee is required, the University may also offer opportunities to study at the UK campus or at one of the approved study abroad partners elsewhere in the world for an additional fee. For details, please check with the International Office.

For further information about individual courses please visit [www.nottingham.edu.my](http://www.nottingham.edu.my)

#### Summer Institute at Nottingham, UK

We organise a Summer Institute at our UK Campus for a number of undergraduate students at the end of their third year.

Postgraduates can also go to our UK campus for two to three weeks of study in the summer. This is of particular value to them in their dissertation preparation.

These are optional periods of study abroad, with costs covered by students.

#### International Summer Schools

Two-week courses, based at our campuses in China and Malaysia, will provide you with the opportunity to study a new area while meeting people from all over the world and learning about a different culture. You will study with world-class academics, take part in exciting cultural and social activities and make friends who will stay with you for life.

The Summer Schools are open to anyone in the world who fulfils the academic entry requirements.

For further information on studying abroad in Malaysia, China or the UK:  
e: [international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my)  
[www.international.studyabroad](http://www.international.studyabroad)

#### U21 Global Issue Programme

Students in the Faculty of Arts and Social Sciences may apply to study for an undergraduate certificate programme in global issues offered by the following universities in the Universitas 21 network: Nottingham (UK), Lund (Sweden), Monterrey (Mexico), British Columbia (Canada), Melbourne and Queensland (Australia). This course is taken in addition to your normal studies and offers a unique opportunity to collaborate with your counterparts across the globe in studying contemporary international issues.  
[www.universitas21.com](http://www.universitas21.com)

### University Park Campus, UK

Set around a lake with beautifully kept gardens and pastures, the 330-acre University Park Campus is the University's principal campus. Often regarded as one of the most attractive campuses in the UK, University Park features a mixture of period buildings and modern teaching and research facilities, with 12 halls of residence, a conference and exhibition centre, sports facilities and the Lakeside Arts Centre. All this is just a short bus ride from the city centre on the dedicated Unilink bus service.

### Jubilee Campus, UK

Just over two miles from Nottingham city centre, Jubilee Campus, opened in 1999, is an exemplar in sustainable brownfield regeneration and has won numerous awards for its environmentally friendly design. The modern, purpose built buildings include teaching and research facilities, residences, retail, social and support amenities, libraries and a sports hall.

Aspire, the country's tallest free-standing work of public art, soars to 60 metres above the Campus. The adjoining Innovation Park was launched in 2008 and continues to evolve – the latest addition being the Nottingham Geospatial Building, which houses a world-class centre of excellence in global navigation satellite systems.

### Sutton Bonington Campus, UK

Located in the beautiful countryside of south Nottinghamshire, the Sutton Bonington Campus is set within a 1000-acre farmland site with its own teaching and learning facilities, sports centre, student guild, social amenities and halls of residence. Ten miles south of University Park, the campus benefits from state-of-the-art teaching and research facilities including purpose-built plant and food science buildings, specialised laboratories, a 24-hour learning resource centre, extensive library, University farm and a dairy centre with 180 robotically milked cows. The campus also houses the School of Veterinary Medicine and Science which opened in 2006 – the first in Britain for over 50 years.

### Medical School, UK

The Medical School is adjacent to University Park and, together with the University Hospital, forms the Queen's Medical Centre. The nearby Nottingham City Hospital houses the University's Clinical Sciences and Institute of Population Health buildings. Entrants to the Graduate Entry Medicine course are based at the University's Medical School in Derby, a purpose-built facility based at the Royal Derby Hospital.

### China Campus

In 2004, Nottingham was the first foreign university to establish a campus in China. On the south shore of the Hangzhou Bay in the prosperous Zhejiang Province, Ningbo is a busy port with a modern airport and direct connections to Beijing, Shanghai (30 minutes by air and two-and-a-half hours by road), Hong Kong and Guangzhou. In Ningbo itself, an extensive bus service makes it easy to get around.

The University of Nottingham Ningbo China (UNNC) offers the same high standard of teaching as the UK campuses. Modern and spacious, the campus has high-quality teaching facilities, including a library and IT facilities. There are also restaurants, shops, a Students' Union, the Student Society Centre, the Art Troupe and other amenities. An on-campus sports complex includes basketball, badminton, tennis and volleyball courts, a football pitch and running track and much more.

Read more about our campuses at:  
[www.nottingham.edu.my/campuses](http://www.nottingham.edu.my/campuses)

During your time at UNMC, you might have the chance to study at one of our campuses in the UK or China. All our campuses offer a warm and friendly environment, interesting landscapes and first rate facilities.

# International campuses

The University Park campus in the UK is a truly stunning place to live and study.

# Preparatory English

The Centre for English Language Education (CELE) is part of the School of Education in the Faculty of Arts and Social Sciences. It provides essential English language support for students who need it through preparatory and in-session classes. Our tutors specialise in the area of English for Academic Purposes and will help you to hone your reading, writing and speaking skills.

## Preparatory English courses

As a UK educational institution, all our programmes and assessments are conducted in English. Our preparatory English courses are specifically designed for students who need to raise their standard of English before moving on to their degree programmes. These courses will enable you to improve your ability to take part in formal discussions and make presentations. They will improve the accuracy and range of your written English and give you the ability to write using academic conventions, such as writing bibliographies.

## Assessment

At various time during the course you will be assessed on listening, speaking, reading and writing. You will need to pass these in order to progress onto the next stage of the course. At the end of the course you will write an academic project, make a presentation and undertake reading and listening exams.

## Course structure

During your course you will be required to write short essays and longer academic assignments, read academic articles and books, show and understanding of lectures and note taking, participate in seminars and oral presentations, expand your range of grammatical structures and vocabulary. You will also develop an understanding of the study skills required for study at university level.

## Preparatory English courses

### Fact file

#### Entry requirements

A conditional offer from the University for a foundation, undergraduate, or postgraduate programme where the student has not met the English language requirements

#### English language requirements

Please contact the Centre for English Language Education for specific requirements or visit our website:  
[www.nottingham.edu.my/academic-english](http://www.nottingham.edu.my/academic-english)

Other equivalent qualifications will be considered on a case-by-case basis

**Fees:**  
RM 5,515 per 10 weeks

**Mode of study:**  
10 weeks – students who need to improve their IELTS score by 0.5

20 weeks – for students who need to improve their IELTS score by 1.0

30 weeks – for students who need to improve their IELTS score by 1.5

**Intakes:**  
February – 30 weeks  
April – 20 weeks  
July – 10 weeks

## In-session support

At CELE we also run free in-session classes throughout your degree course. These classes may be aimed at general improvement of English, or they may be subject specific, helping you improve your proficiency in your area of study.

If you take our three semester foundation programme you must take at least one module of academic English. This will teach you how express yourself in the style and format expected by a world-class international university.

## Find out more

**Centre for English Language Education**  
t: +6 (03) 8294 8000  
e: [enquiries@nottingham.edu.my](mailto:enquiries@nottingham.edu.my) (Malaysian) or  
[international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my) (Non-Malaysian)  
w: [www.nottingham.edu.my/cele](http://www.nottingham.edu.my/cele)

Students enjoying studying in the tropical climate at UNMC.

## Faculty of Arts and Social Sciences

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The Faculty of Arts and Social Sciences is the site of some of the most exciting developments on campus. With a number of new schools arriving in the last couple of years, and more set to come in the near future, the faculty is rapidly establishing itself as the leading centre of learning in the arts and social sciences in the region; offering students a unique environment to study the kinds of difficult, contentious issues that shape daily lives in the 21st century. Our teaching coverage extends from subjects in the arts and humanities, with modules in language, literature, philosophy and history, to a host of disciplines in the social sciences, such as law, psychology, economics and finance.

Students discuss the finer points of their work between classes.

# Foundation in Arts and Education

KPT/JPS(F3-K085)3/16

The Foundation in Arts and Education programme is designed to provide you with the level of academic literacy, skills and confidence to pursue an undergraduate degree in the arts and social sciences. It is offered by the Centre for English Language Education (CELE), housed in the School of Education, Faculty of Arts and Social Sciences.

The programme provides an entry route for degree courses offered by the Faculty, especially international communications studies, international relations and education. A substantial amount of the content is devoted to oral and written communication, IT and study skills, and certain modules will also give a general grounding in subject-specific content.

## What is the Foundation in Arts and Education?

The foundation programme runs full-time for either three semesters or two semesters. The three semester programme is ideal if you have completed a minimum of 11 years of formal education. The two semester programme is suitable if you have completed at least 12 years of formal education but need to enhance your skills in order to undertake an undergraduate degree.

After you have successfully completed the foundation programme you can go on to study one of our undergraduate degree programmes.

## How you are taught

The course is taught in groups of mixed sizes, with much of the course taught in groups of 16 or fewer. You will be taught in innovative ways, designed to help you learn to think issues through for yourself instead of reciting facts. You will benefit from an emphasis on discussion, exploration and evaluation of issues, as well as presenting ideas in the style and format expected at university level. This interactive and student-focused teaching style will help you to become an independent and active learner.

You will take part in lectures, seminars and workshops, and follow a similar timetable to a typical undergraduate. Assessment is through exams, coursework essays, portfolios, and oral presentations.

## Course structure

Each semester consists of 15 weeks, with 10-12 weeks of teaching and two weeks of examinations. If you study for the three-semester programme, you would take all modules. If you opt for the two-semester programme you take the modules for the second and third semesters.

### First semester:

- Introduction to Social Science
- Information Technology and Design
- Writing for Academic Purposes
- Foundations in Perspectives on Learning
- Foundations in Global Issues
- Speaking for Academic Purposes

### Second semester:

- Written Communication and Study Skills
- Oral Communication and Study Skills

You will also choose four optional modules from a range of subjects, including communications, media, politics, education, applied psychology, IT, business and English language.

### Third semester:

- Introduction to critical thought

You will also choose five optional modules from a range of subjects, including communications, media, film, politics, education, IT, digital media, business and English language and literature.

## Progressing to degree level

Depending on your academic performance and interest, on successful completion of the Foundation programme you can choose from the following current undergraduate courses (and any upcoming degrees) in the Faculty of Arts and Social Sciences.

### Modern Languages and Cultures:

- BA (Hons) International Communications Studies
- BA (Hons) International Communications with English Language and Literature
- BA (Hons) International Communications Studies with Film and Television Studies

### Politics, History and International Relations:

- BA (Hons) International Relations
- BA (Hons) International Relations with French
- BA (Hons) International Relations with German
- BA (Hons) International Relations with Japanese
- BA (Hons) International Relations with Korean
- BA (Hons) International Relations with Mandarin
- BA (Hons) International Relations with Spanish

### Education:

- BA (Hons) Education with TESOL/Special Educational Needs
- BEd (Hons) Education with TESOL/Special Educational Needs

If you come to the course with a strong level of mathematics, you may also apply to these selected degrees:

- BSc (Hons) Applied Psychology and Management Studies
- BA (Hons) Business Economics and Finance
- BA (Hons) Business Economics and Management
- BA (Hons) Finance, Accounting and Management
- BA (Hons) International Business Management
- BA (Hons) Management Studies
- BA (Hons) Management Studies with French/German/Japanese/Korean/Mandarin/Spanish
- BSc (Hons) Psychology

Entry requirements		English language requirements
<b>SPM</b>	A minimum of 6 Bs (excluding Islamic studies and moral studies). At least grade C in mathematics, which may be included in the 6 Bs	IELTS: 6.0 (no element below 5.5) TOEFL (iBT): 79 (no element below 19)
<b>GCSE/IGCSE</b>	A minimum of 6 subjects, including 4 Bs and 2 Cs with grade C in mathematics, excluding religion and National language	PTE (Academic): 55 (minimum 51) SPM: grade B+
<b>UEC</b>	A minimum of 6 subjects, including 5 B3s and a C, with grade C in mathematics, excluding Bahasa Malaysia and Chinese language	1119 (GCE O Level): grade C GCSE/IGCSE: grade C
Applicants who have successfully completed 12 years of schooling at an appropriate standard (definitions will vary according to school system) may be accepted into the two semester programme		UEC: grade B3 <i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>

We strongly encourage all interested students to apply. Our students come to us with a diverse range of qualifications and the only way to determine eligibility is by submitting a completed application – please see our 'Entry requirement guidelines' on page 114.

### Fees:

Malaysian – RM7,165 per semester  
Non-Malaysian – RM8,270 per semester

### Intakes:

3-semester programme: April and July

2-semester programme: September

### Find out more

**Faculty of Arts and Social Sciences**

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e: [enquiries@nottingham.edu.my](mailto:enquiries@nottingham.edu.my) (Malaysian) or

[international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my) (Non-Malaysian)

w: [www.nottingham.edu.my/foundation/arts](http://www.nottingham.edu.my/foundation/arts)

The engaging and interactive nature of the Foundation in Arts and Education will enable you to enter university life with confidence and ease, thoroughly preparing you for your future undergraduate study in the arts and social sciences.

# Foundation in Business and Management

KPT/JPS( F3-K029)/(A10435)2/16

The Foundation in Business and Management programme at The University of Nottingham Malaysia Campus is a pre-university course designed to provide an entry route to a range of undergraduate degree programmes offered by the University.

With guidance from your lecturers and personal tutors, this course will help you develop into an independent learner and enable you to progress onto undergraduate study with ease. The foundation journey will unlock your potential, building up a strong business foundation and preparing you for the challenges of your undergraduate degree course. While pursuing the course, interactions among students from over 25 nations will provide you with rich intercultural experiences which also serve as an international networking platform, leading you to greater international exposure and awareness.

## What is the Foundation in Business and Management?

The foundation programme runs full-time for either three semesters or two semesters. The three-semester programme is ideal if you have completed a minimum of 11 years of formal education. The two semester programme is suitable if you have completed at least 12 years of formal education but need to enhance your skills in order to undertake an undergraduate degree.

After you have successfully completed the foundation programme you can go on to study one of our undergraduate degree programmes.

## How you are taught

Lectures are typically two to three hour-long sessions. During these sessions you will become familiar with the subject's main theoretical concepts and ideas. Academic tutorials are held so you can participate in class discussions, improve your presentation skills, and apply theoretical concepts to practical issues. In addition, lab work, tutorials and assignments will be key parts of your learning experience and assessment.

## Course structure

Each semester consists of 15 weeks, with 10-12 weeks of teaching and two weeks of examinations. If you study for the three-semester programme, you would take all modules. If you opt for the two-semester programme you would take the modules for the second and third semesters. All core modules are compulsory. You can also select optional modules relating to your preferred undergraduate course.

### First semester:

- Introduction to Economics
- Introduction to Business
- Introduction to Social Science
- Information Technology and Design
- Introduction to Mathematical Techniques
- Writing for Academic Purposes

### Second semester:

- Principles of Business Economics
- Foundations of Management
- Business Discourse
- Quantitative Methods A

Plus two of the following optional modules

- Principles of Accounting A
- Person and Society
- IT for Communication
- Foundations in Communications, Politics and Media A
- Foundations in Education A
- Use of English A

### Third semester:

- Principles of Macroeconomics
- Quantitative Methods B
- Business Functions

Plus three of the following optional modules

- Principles of Accounting B
- Groups and Interpersonal Dynamics
- Introduction to Legal Concepts
- The World Economy
- Introduction to Critical Thought
- Foundations in Communications, Politics and Media B
- Foundations in Education B
- Foundations in Language and Literature
- Use of English B

## Progressing to degree level

On successful completion of the Foundation programme, you can choose from the following undergraduate courses depending on your academic performance and interest.

### Primary courses for progression:

- BA (Hons) Business Economics and Finance
- BA (Hons) Business Economics and Management
- BA (Hons) Finance, Accounting and Management
- BA (Hons) International Business Management
- BA (Hons) Management Studies
- BA (Hons) Management Studies with French/German/Japanese/Korean/Mandarin/Spanish

### Alternative pathways for progression:

- BSc (Hons) Economics (with an average of 65% in Foundation)
- BSc (Hons) Applied Psychology and Management Studies
- BA (Hons) International Communication Studies
- BA (Hons) International Communication Studies with Film and TV
- BA (Hons) International Communication Studies with English Language and Literature
- BA (Hons) International Relations
- BA (Hons) International Relations with French/German/Japanese/Korean/Mandarin/Spanish

Entry requirements		English language requirements
<b>SPM</b>	A minimum of 6 Bs including mathematics, excluding English for science and technology, Islamic studies and moral studies	IELTS: 6.0 (no element below 5.5) TOEFL (iBT): 79 (no element below 19)
<b>GCSE/IGCSE</b>	A minimum of 4 Bs and 2 Cs with B in mathematics, excluding religion and National language	PTE (Academic): 55 (minimum 51) SPM: grade B+
<b>UEC</b>	A minimum of 6 B3s, including mathematics, excluding Bahasa Malaysia and Chinese language	1119 (GCE O Level): grade C GCSE/IGCSE: grade C UEC: grade B3
Applicants who have successfully completed 12 years of schooling at an appropriate standard (definitions will vary according to school system) may be accepted into the two-semester programme		<i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>

We strongly encourage all interested students to apply. Our students come to us with a diverse range of qualifications and the only way to determine eligibility is by submitting a completed application – please see our 'Entry requirement guidelines' on page 114.

### Fees:

Malaysian – RM7,165 per semester  
Non-Malaysian – RM8,270 per semester

### Intakes:

3-semester programme: April and July

2-semester programme: September

### Find out more

**Nottingham University Business School**

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e: enquiries@nottingham.edu.my (Malaysian) or

international.enquiries@nottingham.edu.my (Non-Malaysian)

w: [www.nottingham.edu.my/foundation/business](http://www.nottingham.edu.my/foundation/business)

\*Please note that the availability of optional modules on the Foundation in Business and Management programme may change without prior notice.

This foundation course equips you with the knowledge in key areas of business and management to give you a head start in preparation for the degree of your choice, as well as the academic and interpersonal skills to succeed at university.

“My faculty is staffed by highly experienced lecturers who bring with them a tremendous wealth of experience and practical case studies.”

Mohammed Imran Khan / BA Finance, Accounting and Management



Find out more about Mohammed's experience at [www.nottingham.edu.my/business/studentexperience](http://www.nottingham.edu.my/business/studentexperience)

Imran is analysing the movements of the US dollar against the Malaysian ringgit.



Scan it! To find out how to watch this video on your smartphone see page 65.



# Nottingham University Business School

A leading centre for management education, the Nottingham University Business School (NUBS) is renowned for its world-class research and teaching. We are an integral extension of NUBS in the UK, drawing on our global presence to enhance business and management knowledge and practice in a responsible and sustainable way, whilst offering a unique insight into Asian business growth and development.

We are a large and culturally diverse School with academic staff and students from across the globe. The latest Research Assessment Exercise ranked us among the top six business schools in the UK, and the School is part of an elite global group with EQUIS and AMBA accreditation. Our world-leading reputation was further consolidated in the 2011 Academic Ranking of World Universities which placed Nottingham in the top 100 for Economics/Business.

## Why study at NUBS?

The defining teaching and learning approach of the Business School is interdisciplinary. We give a holistic and balanced coverage of accounting, finance, economics, management and marketing. Moreover, we provide opportunities for you to learn foreign languages and other non-business disciplines within the University. Each of our degree programmes has been carefully crafted by field-leading experts from our UK and Malaysia campuses and the interdisciplinary nature of our degree programmes equip you for the demands of an increasingly complex modern economy, which requires knowledge of more than one aspect of business management.

At The University of Nottingham Malaysia Campus we offer the following undergraduate degree programmes within NUBS.

- BA (Hons) Business Economics and Finance
- BA (Hons) Business Economics and Management
- BA (Hons) Finance, Accounting and Management
- BA (Hons) International Business Management
- BA (Hons) Management Studies
- BA (Hons) Management Studies with French
- BA (Hons) Management Studies with German
- BA (Hons) Management Studies with Japanese
- BA (Hons) Management Studies with Korean
- BA (Hons) Management Studies with Mandarin
- BA (Hons) Management Studies with Spanish

## How you are taught

The undergraduate programmes at the Business School enable you to either opt for a broad-based management education or to specialise in a particular aspect of management studies. All programmes have been carefully designed to allow you to acquire the fundamentals of management and the most recent trends in business thinking. Combining studies in accounting, finance, economics, management and marketing, the interdisciplinary nature of our course will provide you with the competitive edge to pursue a career in any line of business.

Our degree programmes in management studies with a language minor also allow you to learn and practise a foreign language (both spoken and written) to a high standard of competence.

We also provide an environment in which you can develop extracurricular activities that are rewarding in their own right and that help to enhance your career prospects.

## Career prospects

Our interdisciplinary approach to business education will enable you to have a head start in a wide spectrum of careers. Many of our graduates have secured prestigious jobs in multinational corporations. The transferable skills learned on our courses can be used in any environment, which will provide you with a broad range of career options when you graduate.

Some of our graduates have become auditors, executives in the banking and financial services industry, industry regulators and entrepreneurs. Other career options include management consultancy, academia, risk management, investment research and other services-oriented professions.

Find out more:

**Nottingham University Business School**

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[international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my) (Non-Malaysian)

w: [www.nottingham.edu.my/business](http://www.nottingham.edu.my/business)



# Business economics, finance and management

## BA (Hons) Business Economics and Finance

KPT/JPS(F3-K007)3/16

Throughout the course you will study core business and economics modules then take additional modules related to management. You will gain an in-depth understanding of the core areas of economics and finance, such as industrial economics, economics of regulation, risk management methods, derivatives pricing and portfolio management. This course will provide you with an excellent preparation for specialist quantitatively-orientated careers in financial economics and research, as well as those in the areas of business management, finance, banking and accountancy.

### Professional accreditation

This programme is accredited by the Chartered Institute of Management Accountants (CIMA).

## BA (Hons) Business Economics and Management

KPT/JPS(F3-K040)/(A1156)3/16

Throughout the course you will study core business and economics modules then take additional modules related to finance. With an emphasis on theoretical and applied microeconomics, you will gain the ability to analyse the economic and social environment in which economic decisions faced by managers and businesses are taken. You will also develop an awareness of the business and financial environment and current business issues, and develop an understanding of modern economics ideas and their relevance to business and financial decision making.

### Year 1

#### Modules

- Business Economics A
- Computers in Business
- Contemporary Economic Policy
- Entrepreneurship and Business
- Financial Accounting
- Business Economics B1
- Economics of Business Decisions
- People and Organisations
- Quantitative Methods 1B

#### Business Economics and Finance only:

- Business Finance

#### Business Economics and Management only:

- New Venture Creation

#### Approved optional modules\*

\*Must include Quantitative Methods 1A for those without grade C in A level mathematics or equivalent

### Year 2

#### Modules

- Economics of Innovation
- Economics of Pricing and Decision Making
- Quantitative Methods 2A
- Economics of Organisation
- Introductory Econometrics

#### Business Economics and Finance only:

- Financial Management
- Macroeconomic Policy and Analysis
- Computational Finance
- Money and Banking

#### Business Economics and Management only:

- Designing and Managing Organisations
- Marketing Strategy
- International Firms
- Managing the Marketing Mix

#### Approved optional modules

### Year 3

#### Modules

- Financial Economics
- Industrial Economics A: Structure, Conduct and Performance
- Business Ethics
- Economics of Regulation
- Industrial Economics B: Games and Strategies

#### Business Economics and Finance only:

- Financial Markets
- International Finance
- Risk Management Decisions
- Corporate Finance
- Risk Management Processes

#### Business Economics and Management only:

- Human Resource Management 1
- Strategic Management 1
- Human Resource Management 2
- Strategic Management 2

#### Approved optional modules

# Finance, accounting and management

## BA (Hons) Finance, Accounting and Management

KPT/JPS(NN34)3/15

You will learn to utilise the theory and practical techniques of finance and accounting within an economic, organisational and decision-making framework. You will also develop a critical understanding of the techniques and their contexts. By completing the course you will be well equipped to undertake professional examinations in accounting.

### Professional accreditation

This course is accredited by The Institute of Chartered Accountants in England and Wales (ICAEW), Association of Chartered Certified Accountants (ACCA), Chartered Institute of Management Accountants (CIMA) and CPA Australia, and as such students taking this course are granted a number of exemptions from the examinations of these accountancy professional bodies.

### Year 1

#### Modules

- Business Economics A
- Business Law A
- Computers in Business
- Entrepreneurship and Business
- Financial Accounting
- Business Economics B1
- Business Finance
- Business Law B
- Management Accounting and Decisions 1
- People and Organisations
- Quantitative Methods 1B

#### Approved optional modules\*

\*Must include Quantitative Methods 1A for those without grade C in A level mathematics or equivalent

### Year 2

#### Modules

- Contemporary Economic Policy
- Financial Management
- Management Accounting and Decisions 2
- Management Strategy
- Quantitative Methods 2A
- Accounting Information Systems
- Computational Finance
- Database Design and Implementation
- Financial Reporting
- Introductory Econometrics

#### Approved optional modules

### Year 3

#### Modules

- Advanced Financial Reporting
- Auditing, Governance and Scandals
- Financial Markets
- Management Accounting and Decisions 3
- Business Ethics
- Corporate Finance
- Financial Analysis
- Management Accounting and Decisions 4

#### Approved optional modules

# International business management

## BA (Hons) International Business Management

KPT/JPS(F3-K041)/(A10434)3/16

Focusing on international business strategy and globalisation, you will study a range of general management subjects, such as accounting, finance, economics, business IT and quantitative methods. A special emphasis is placed on business and management in an international context, including the particular legal, political and cultural conditions affecting business in Asia and European countries.

Students on this course frequently opt to take elective modules in international communication studies and international relations – complimenting the business focus of the core curriculum.

### Year 1

#### Modules

- Business Economics A
- Computers in Business
- Entrepreneurship and Business
- Financial Accounting
- Studying Organisations
- Business Economics B1
- Business Finance
- New Venture Creation
- People and Organisations
- Quantitative Methods 1B

#### Approved optional modules\*

\*Must include Quantitative Methods 1A for those without grade C in A level mathematics or equivalent

### Year 2

#### Modules

- Contemporary Economic Policy
- Designing and Managing Organisations
- Financial Management
- Marketing Strategy
- South East Asia and the Global Economy
- Asian Economic Development
- International Firms
- Managing in Asia
- Managing the Marketing Mix
- Organising and Managing in Practice

#### Approved optional modules

### Year 3

#### Modules

- Asian Business Environment
- International Business Strategy 1
- International Finance
- Human Resource Management 1
- Strategic Management 1
- Business Ethics
- European Business Environment
- Human Resource Management 2
- International Business Strategy 2
- Strategic Management 2

#### Approved optional modules

# Management

## BA (Hons) Management Studies

KPT/JPS(N200)3/15

This programme will provide you with a broad-based but theoretically rigorous grounding in a range of management principles. You will learn to apply a theoretical understanding of organisational analysis, economics and accounting to a range of different management subjects including human resource management, marketing and strategy. We will also encourage you to be critical, show initiative and develop an awareness of the benefits and limitations of different approaches to management.

#### Professional accreditation

This course is accredited by the Chartered Institute of Management Accountants (CIMA) and CPA Australia. By studying the appropriate optional modules, you will be granted subject exemptions from accountancy professional bodies, such as The Institute of Chartered Accountants in England and Wales (ICAEW), Association of Chartered Certified Accountants (ACCA), and the CIMA. By completing this programme you will be eligible to apply to become an Associate member of the CPA Australia.

## BA (Hons) Management Studies with French

KPT/JPS(N2R1)5/16/**German** KPT/JPS(NNM1)5/16/**Japanese** KPT/JPS(NNM2)5/16/**Korean** KPT/JPS(NNM7)5/16/**Mandarin** KPT/JPS(NNM8)5/16/**Spanish** KPT/JPS(N2R4)5/16

These programmes offer you one of the few opportunities to study a combination of business and a language at a British university in Malaysia. You will also benefit from the vast research expertise of two academic schools, the Nottingham University Business School and the School of Modern Languages and Cultures.

### Year 1

#### Modules

- Business Economics A
- Computers in Business
- Entrepreneurship and Business
- Business Economics B1
- People and Organisations
- Quantitative Methods 1B

#### Management Studies only:

- Financial Accounting
- Studying Organisations
- Management Accounting and Decisions 1
- New Venture Creation

#### Management Studies with French/German/Japanese/Korean/Mandarin/Spanish:

- Chosen language module

#### Approved optional modules\*

\*Must include Quantitative Methods 1A for those without grade C in A level mathematics or equivalent

### Year 2

#### Modules

- Contemporary Economic Policy
- Designing and Managing Organisations
- Marketing Strategy
- Economics of Business Decisions
- Managing the Marketing Mix
- Organising and Managing in Practice

#### Management Studies only:

- Management Accounting and Decisions 2
- Technology and Organisation

#### Management Studies with French/German/Japanese/Korean/Mandarin/Spanish only:

- Chosen language module

#### Approved optional modules

### Year 3

#### Modules

- Human Resource Management 1
- Strategic Management 1
- Business Ethics
- Human Resource Management 2
- Strategic Management 2

#### Management Studies only:

- Approved business modules

#### Management Studies with French/German/Japanese/Korean/Mandarin/Spanish only:

- Chosen language module

#### Approved optional modules

Entry requirements		English language requirements
<b>A level</b>	BBB, excluding general studies, with grade B in SPM/GCSE/IGCSE mathematics	IELTS: 6.5 (no element below 6.0) TOEFL (iBT): 88 (no element below 19) PTE (Academic): 62 (minimum 55)
<b>IB Diploma</b>	30 points with 5,5,5 at Higher Level and 5 points in mathematics at Standard or Higher Level	SPM: grade A- 1119 (GCE O Level): grade B
<b>STPM</b>	B+B+B+, excluding Pengajian Am, with grade B in SPM mathematics	GCSE/IGCSE: grade C UEC: grade A2
<b>UEC</b>	5 As, excluding Bahasa Malaysia and Chinese language but may include English. Also require at least a grade B in SPM mathematics or a grade C in UEC mathematics	IB English A1 or A2 (SL or HL): 4 points IB English B (HL): 4 points IB English B (SL): 5 points
<b>SAM/AUSMAT/HSC</b>	ATAR (UAI)/TER/ENTER 86	<i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>
<b>Canadian Pre-U</b>	85% average based on 6 subjects with at least 80% in mathematics of data management	
<b>Foundation</b>	Successful completion of Foundation in Business and Management, Foundation in Engineering, Foundation in Science or Foundation in Arts and Education offered by The University of Nottingham Malaysia Campus, and meeting mathematics requirements	
Applicants for degree programmes with a language minor must have no prior knowledge of the language		

We strongly encourage all interested students to apply. Our students come to us with a diverse range of qualifications and the only way to determine eligibility is by submitting a completed application – please see our ‘Entry requirement guidelines’ on page 114.

**Fees:**

Malaysian – RM33,000 per year  
Non-Malaysian – RM37,950 per year

**Mode of study:**

Full-time, 3 years

**Intakes:**

September – all courses  
September and February – BA (Hons) Finance, Accounting and Management, BA (Hons) International Business Management, BA (Hons) Management Studies

**Find out more**

**Nottingham University Business School**  
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e: enquiries@nottingham.edu.my (Malaysian) or international.enquiries@nottingham.edu.my (Non-Malaysian)  
w: [www.nottingham.edu.my/business](http://www.nottingham.edu.my/business)

**Other related courses**

**BSc (Hons) Applied Psychology and Management Studies**  
(page 47)

**BSc (Hons) Economics** (page 39)

“Undoubtedly, graduating from The University of Nottingham Malaysia Campus proved to be the most eye-opening experience of my life. I have had the opportunity to study for a British degree while gaining tremendous insights into South East Asia’s economic environment. The modules and assignments undertaken during my studies have helped to further my analytical, research and evaluative skills and have given me a thirst to pursue an accounting career in the future.”

Ayaz Latif, Senior Associate, Core Assurance Department,  
PriceWaterhouseCooper, London  
BA (Hons) Finance, Accounting and Management, 2009

“The most important thing the course has taught me so far is to open my eyes to real-world economy situations and look at how and why they happened.”

Lim Kai Shen / BSc Economics



Find out more about Kai Shen's experience at  
[www.nottingham.edu.my/economics/studentexperience](http://www.nottingham.edu.my/economics/studentexperience)

Kai Shen catches up on some reading outside the accommodation building on campus.



Scan it! To find out how to watch this video on your smartphone see page 65.

# School of Economics

Economics is about the real world and the choices we face. This fascinating subject requires you to question how society works and enables you to develop and use a wide range of skills relevant to the world today.

Nottingham's School of Economics has an enviable reputation. We consistently rank amongst the top ten in the UK's higher education league tables and the quality of our research is nationally and internationally recognised. We ranked third for research power in the latest UK Research Assessment Exercise and were placed 32nd in the world, 8th in Europe and 4th in the UK in the prestigious Tilburg University Top 100 Worldwide Economics Schools Research Ranking.

## What is economics?

Life is about choices. However, individuals, firms and governments cannot have everything they want. Constrained by both time and resources, they must choose from a range of possible options. Does an individual want more leisure time or a higher income? Does a government want to spend more money on hospitals or more on defence? Does a firm cut prices or advertise more to increase sales? Economics studies the way in which these choices are made, and can inform policy in areas as diverse as education, the environment, commerce, transport, globalisation and health.

At The University of Nottingham Malaysia Campus we offer the following undergraduate degree programme within economics.

- BSc (Hons) Economics

## How you are taught

The economics programme aims to give you an in-depth understanding of contemporary economic theories and gain transferable skills such as teamwork, problem solving and writing. Teaching is by lectures, tutorials and seminars and whilst you will be assessed predominantly through examinations some modules contain seminar or essay based elements. You will also complete a dissertation in your third year.

## Career prospects

An economics degree from Nottingham will give you a head start in your career. Employers rate our degrees highly and recognise that our graduates have a strong academic foundation and excellent transferable skills. Economics graduates opt for a wide variety of professions, becoming accountants and actuaries, business and financial analysts, government and policy advisors, investment and merchant bankers, management consultants, pension advisors, market researchers, journalists and teachers.

## Find out more:

### School of Economics

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e: [enquiries@nottingham.edu.my](mailto:enquiries@nottingham.edu.my) (Malaysian) or

[international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my) (Non-Malaysian)

w: [www.nottingham.edu.my/economics](http://www.nottingham.edu.my/economics)

# Economics

## BSc (Hons) Economics

UNMC(L100)8/15

Your first year will provide a rigorous grounding in economic theory and quantitative methods, and emphasises the relevance of such methods to the study of economic questions of importance to individuals, firms, government and society. You will cover the core principles of economics, international economics and quantitative economics, and there is an emphasis on economic issues of regional and global concern. Throughout the degree you will develop the analytical and discursive skills of a well-trained economist. You are also able to study optional modules from the Nottingham University Business School.

### Year 1

#### Modules

- Introduction to Microeconomics
- Introduction to Macroeconomics
- Quantitative Economics 1
- Quantitative Economics 2

#### Optional modules

- Current Economic Issues 1
- Current Economic Issues 2
- Economic Perspectives

Plus optional modules from other Schools in the Faculty of Arts and Social Sciences, including Nottingham University Business School.

### Year 2

#### Modules

- Microeconomic Theory
- Macroeconomic Theory
- Quantitative Economics 3
- Quantitative Economics 4

#### Optional modules

- Monetary Economics
- International Trade
- Development Economics
- Environmental and Resource Economics
- Public Sector Economics
- Experimental and Behavioural Economics

Plus optional modules from other Schools in the Faculty of Arts and Social Sciences, including Nottingham University Business School.

### Year 3

#### Modules

- International Money and Macroeconomy
- International Trade Policy
- Advanced Development Economics
- Advanced Microeconomic Theory
- Advanced Environmental and Resource Economics
- Advanced Experimental and Behavioural Economics

#### Dissertation

Plus optional modules from other Schools in the Faculty of Arts and Social Sciences, including Nottingham University Business School.

Entry requirements		English language requirements
<b>A level</b>	ABB excluding general studies, with grade A in SPM/GCSE/IGCSE mathematics	IELTS: 6.5 (no element below 6.0) TOEFL (iBT): 88 (no element below 19) PTE (Academic): 62 (minimum 55)
<b>IB Diploma</b>	32 points with 6,5,5 at Higher Level and 6 points in mathematics at Standard or Higher Level	SPM: grade A- 1119 (GCE O Level): grade B GCSE/IGCSE: grade C UEC: grade A2
<b>STPM</b>	AB+B+ excluding Pengajian Am, with grade A in SPM mathematics	IB English A1 or A2 (SL or HL): 4 points IB English B (HL): 4 points IB English B (SL): 5 points
<b>UEC</b>	6 As, excluding Bahasa Malaysia and Chinese language	<i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>
<b>SAM/AUSMAT/HSC</b>	ATAR (UAI)/TER/ENTER 90	
<b>Canadian Pre-U</b>	87% average based on 6 subjects with 70% in calculus and 80% in data management	
<b>Foundation</b>	Successful completion of the Foundation in Business and Management programme	

We strongly encourage all interested students to apply. Our students come to us with a diverse range of qualifications and the only way to determine eligibility is by submitting a completed application – please see our 'Entry requirement guidelines' on page 114.

#### Fees:

Malaysian – RM33,000 per year  
Non-Malaysian – RM37,950 per year

#### Mode of study:

Full-time, 3 years

#### Intake:

September

#### Find out more

##### School of Economics

t: +6 (03) 8924 8000

e: enquiries@nottingham.edu.my (Malaysian) or

international.enquiries@nottingham.edu.my (Non-Malaysian)

w: [www.nottingham.edu.my/economics](http://www.nottingham.edu.my/economics)

#### Other related courses

[BA \(Hons\) Business Economics and Finance \(page 31\)](#)

[BA \(Hons\) Business Economics and Management \(page 31\)](#)

“My favourite module on this course is The School Teacher. I like it because it gives a reflection of how a teacher should be from a student’s point of view. It used to be that the teacher dominated the class, but in this module they say it’s student centred learning.”

Nur Hana Shafira Binti Hamidi / BA Education in TESOL



Find out more about Nur Hana’s experience at  
[www.nottingham.edu.my/education/studentexperience](http://www.nottingham.edu.my/education/studentexperience)

Nur Hana studying for her course in the library.



Scan it! To find out how to  
watch this video on your  
smartphone see page 65.

# School of Education

If you want to make a difference to the world there is no better way than choosing a career in education. The demand for qualified education professionals is increasing worldwide and this trend is going to continue – a career in education is your passport to a great variety of opportunities.

The School of Education provides an exciting and rewarding learning environment for future educators. The University of Nottingham in the UK is one of the largest and most established education departments in the UK. The University of Nottingham Malaysia Campus follows these footsteps by incorporating innovative teaching and high quality research to benefit our student’s learning experience. As part of an international university, the School of Education provides a cross-cultural perspective within a global context.

Our programmes are designed with an insightful blend of traditional and emerging educational theory and pedagogy. The world-class Nottingham education degree is internationally recognised as and our graduates are in huge demand across all sectors of the education industry.

## What is education?

Education is a challenging, exciting and rewarding career. As educators, we inspire and instruct the next generation of musicians, mathematicians, nurses and scientists and nurture and cultivate future leaders. Whether you dream to be a professor, elementary school teacher, special education instructor, corporate trainer or education entrepreneur, you are sure to find a career in education extremely rewarding. The knowledge, skills and competencies that you will acquire will open doors to career opportunities around the globe.

At The University of Nottingham Malaysia Campus we offer the following undergraduate degree programmes within education.

- BA (Hons) Education in TESOL
- BA (Hons) Education in Special Education Needs
- BEd (Hons) Education in TESOL
- BEd (Hons) Education in Special Education Needs

## How you are taught

The Bachelor of Arts in Education and Bachelor of Education programmes in TESOL and Special Education Needs offered by the school blend international teacher education concepts with a wide-variety of context based approaches.

Our teaching combines lectures, seminars, workshops and tutorials with online and virtual learning environments. Emphasis is also placed on self-led learning: you will have access to computer and language laboratories, a fully equipped four-storey library with access to a wide range of resources as well as books, journals and visual media, private study areas and team-working spaces. Assessment is through a variety of modes of coursework and examination. You will also have the opportunity to conduct a supervised research project (dissertation) in an area of your own choosing.

## Career prospects

Careers in education are available in four main areas: public and private schools, colleges, and universities; supplementary and alternative education providers; education products industry including multimedia and conventional material development, ICT, and publishing; and education services including consultancy, research, investment services, and technology service.

# Education

## BA (Hons) Education in TESOL

KPT/JPS(F3-100)12/15

## BA (Hons) Education in Special Education Needs

KPT/JPS(F3-100)12/15

## BEd (Hons) Education in TESOL

KPT/JPS(F3-101)12/15

## BEd (Hons) Education in Special Education Needs

KPT/JPS(F3-101)12/15

The BA (Hons) Education programmes are studied full-time over three years and BEd (Hons) programmes are studied full-time over four years.

Modules offered in Year 1, 2 and 3 are similar for BA (Hons) and BEd (Hons) programmes. However, BEd (Hons) programmes require a practical teaching posting in your fourth year.

Your first year modules will introduce you to the foundation of education within different contexts. This knowledge and understanding will be developed further in your second year. Specialised modules are offered in your third year, and you will also pursue your own independent research throughout the year. If you are studying for the BEd, you will start your teaching practical during your fourth year.

### Year 1

#### Modules

- Understanding Learners and Learning
- Understanding Schools and Schooling
- The School Teacher
- The School Curriculum
- Language as a Learning Tool
- Portrait of a School
- Identifying and Understanding Special Educational Needs
- Literacy in School and Society

### Year 2

#### Modules

- Learning Styles and Strategies
- Education and Society
- Creative Curriculum
- Teaching Styles and Strategies
- Learning Difficulties: Supporting Children, Young People and Their Families
- Teaching Language Across the Curriculum

### Year 3

#### Educational Inquiry (Extended Project)

#### Modules

##### TESOL only:

- TESOL Methodology
- Principles and Practice of ELT
- Materials for Language Teaching
- Literature in the Language Classroom
- The Teaching of Grammar
- Phonetics and Phonology for Language Teaching
- Educational Research Methods
- Assessment and Evaluation in TESOL/Special Educational Needs

##### Special Education Needs only:

- Critical Concepts within Special Educational Needs
- Post School Transition for Students with Special Educational Needs
- Socio-cultural Attitudes to Students with Special Educational Needs
- Supporting Students with Learning Difficulties
- Supporting Students with Emotional and Behavioural Challenges
- Supporting Students with Sensory and Physical Disabilities
- Educational Research Methods
- Assessment and Evaluation in TESOL/Special Educational Needs

### Year 4 (BEd only)

#### Planning for Continuing Professional Development

#### School Experience

#### Practical teaching in TESOL/Practical teaching in Special Educational Needs

Entry requirements		English language requirements
<b>A level</b>	BBC, excluding general studies	IELTS: 6.5 (no element below 6.0)
<b>IB Diploma</b>	28 points with 5,5,4 at Higher Level	TOEFL (iBT): 88 (no element below 19)
<b>STPM</b>	B+B+B, excluding Pengajian Am	PTE (Academic): 62 (minimum 55)
<b>UEC</b>	4 As, excluding Bahasa Malaysia and Chinese language	SPM: grade A-
<b>SAM/AUSMAT/HSC</b>	ATAR (UAI)/TER/ENTER 82	1119 (GCE O Level): grade B
<b>Canadian Pre-U</b>	80% average based on 6 subjects	GCSE/IGCSE: grade C
<b>Foundation</b>	Successful completion of the Foundation in Arts and Education programme	UEC: grade A2
		IB English A1 or A2 (SL or HL): 4 points
		IB English B (HL): 4 points
		IB English B (SL): 5 points
		<i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>

We strongly encourage all interested students to apply. Our students come to us with a diverse range of qualifications and the only way to determine eligibility is by submitting a completed application – please see our 'Entry requirement guidelines' on page 114.

#### Fees:

Malaysian – RM25,500 per year  
Non-Malaysian – RM28,000 per year

#### Mode of study:

BA Full-time, 3 years  
BEd Full-time, 4 years

#### Intake:

September

#### Find out more

##### School of Education

t: +6 (03) 8924 8000

e: [enquiries@nottingham.edu.my](mailto:enquiries@nottingham.edu.my) (Malaysian) or

[international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my) (Non-Malaysian)

w: [www.nottingham.edu.my/education](http://www.nottingham.edu.my/education)

“I am very interested in studying and understanding about people, and at the same time very interested in business, management and entrepreneurship. In the future I want to be an entrepreneur, and I think understanding people is a very important aspect of business and entrepreneurship.”

Tan Jing Shen / BSc Applied Psychology and Management Studies



Find out more about Jing Shen's experience at  
[www.nottingham.edu.my/iwho/studentexperience](http://www.nottingham.edu.my/iwho/studentexperience)



Scan it! To find out how to watch this video on your smartphone see page 65.

Jing Shen is reading for his course in the courtyard area of the Arts and Social Sciences building.

# Institute of Work, Health and Organisations

Applied psychology has become influential in almost all aspects of society including work, education, healthcare and health promotion, government, crime prevention, commerce, and even sports. In all of these areas, applied psychologists work to improve people's lives and help clients achieve their goals and objectives.

The Institute of Work, Health and Organisations (IWHO), a school of applied psychology, enjoys a strong reputation for teaching and research. In the latest Research Assessment Exercise, the Institute, together with Nottingham University Business School, received a Grade 5 (international) rating and was ranked 6th overall in the UK.

## What is applied psychology?

Applied psychology is concerned with the application of psychological science, theory and principles to problems of everyday life. Applied psychologists are interested in people, and seek to understand human behaviour and thought processes. More importantly, they are interested in how individuals interact with the various physical, social, societal, and cultural systems that characterise human life.

IWHO modules are the perfect compliment to business and management as they teach you to ask the right questions and use scientific evidence to analyse and provide answers to problems. It balances scientific perfection with the demands for real-world practicalities – important skills in any business environment. An effective psychologist and businessman or woman is one who is able to appreciate multiple perspectives, analyses situations and systems, and effectively manage change in organisations.

At The University of Nottingham Malaysia Campus we offer the following undergraduate degree programme within IWHO.

- BSc (Hons) Applied Psychology and Management Studies

## How you are taught

In the first year you are introduced to the underlying core management disciplines of economics, accounting and finance and the psychology of the individual and his/her relationship with the business world, as well as research methods in applied psychology. In the second year, you take modules in more advanced subjects in accounting, economics and research methods, while learning about the psychology of groups, society and culture and other applications of individual psychology. In the final year, you will take further modules on human resource management, strategy and more advanced modules in work psychology and embark on an applied research project.

## Career prospects

Applied psychology and management studies offers an added value not met by graduates from a single-subject background due to the integration of a psychological perspective. It will prepare you for international careers in industry, government agencies and other types of organisations, such as NGOs, consultancies, and charities, with a strong human element. Applied psychologists in business are valued and respected within their various areas of expertise, particularly in the fields of marketing, recruitment, training, career and organisational development, counselling, advertising, selection and recruitment, human resources, change management, and occupational testing. They often collaborate with other experts in business and their contribution is highly sought after.



# Applied psychology and management

## BSc (Hons) Applied Psychology and Management Studies

KPT/JPS(F3-K045)3/16

This course is a joint honours degree offered in conjunction with Nottingham University Business School (NUBS). It provides excellent training for a future career in psychology and business and will teach you to apply psychological theories and principles to the real world. On this course you will learn to manage human behaviour, analyse social interactions and develop an evidence-based approach to problem solving. It combines applied psychology with the core areas of management and will enable you to develop an inquisitive mind, superior social skills and practical business orientation.

### Year 1

#### Modules

- Introduction to Applied Psychology
- The Individual 1: Cognition, Memory and Perception
- Applied Research Methods 1: Quantitative Methods
- Entrepreneurship and Business
- Business Economics A
- Financial Accounting
- People, Work and Organisations
- The Individual 2: Individual Differences
- Applied Research Methods 2: Qualitative Methods
- Business Economics B
- Management Accounting and Decisions 1

#### Optional business modules

### Year 2

#### Modules

- People, Groups and Society
- The Individual 3: Learning
- Applied Research Methods 3: Advanced Quantitative Methods
- Management Accounting and Decisions 2
- Contemporary Economic Policy
- Cross Cultural Psychology
- Contemporary Issues in Applied Psychology
- Technology and Organisation
- Economics of Business Decisions

#### Optional applied psychology modules

#### Optional business modules

### Year 3

#### Research Project in Applied Psychology

#### Modules

- Human Resources Management 1
- Strategic Management 1
- Human Resources Management 2
- Strategic Management 2

#### Optional applied psychology modules

#### Optional other approved modules

Applied psychology and management studies provides excellent training for a future career in psychology and business, enabling you to apply psychological theories and principles to real world situations.

Entry requirements		English language requirements
<b>A level</b>	BBB, excluding general studies, with grade B in SPM/GCSE/IGCSE mathematics	IELTS: 6.5 (no element below 6.0) TOEFL (iBT): 88 (no element below 19) PTE (Academic): 62 (minimum 55)
<b>IB Diploma</b>	30 points with 5,5,5 at Higher Level and 5 points in mathematics at Standard or Higher Level	SPM: grade A- 1119 (GCE O Level): grade B GCSE/IGCSE: grade C UEC: grade A2
<b>STPM</b>	B+B+B+, excluding Pengajian Am, with grade B in SPM mathematics	IB English A1 or A2 (SL or HL): 4 points IB English B (HL): 4 points IB English B (SL): 5 points
<b>UEC</b>	5 As, excluding Bahasa Malaysia and Chinese language but may include English, with at least a grade C in UEC mathematics	<i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>
<b>SAM/AUSMAT/HSC</b>	ATAR (UAI)/TER/ENTER 86	
<b>Canadian Pre-U</b>	85% average based on 6 subjects with at least 80% in mathematics of data management	
<b>Foundation</b>	Successful completion of Foundation in Business and Management, Foundation in Engineering, Foundation in Science or Foundation in Arts and Education offered by The University of Nottingham Malaysia Campus, and meeting mathematics requirements	

We strongly encourage all interested students to apply. Our students come to us with a diverse range of qualifications and the only way to determine eligibility is by submitting a completed application – please see our 'Entry requirement guidelines' on page 114.

#### Fees:

Malaysian – RM33,000 per year  
Non-Malaysian – RM37,950 per year

#### Mode of study:

Full-time, 3 years

#### Intake:

September

#### Find out more

**Institute of Work, Health and Organisations**  
t: +6 (03) 8924 8000  
e: enquiries@nottingham.edu.my (Malaysian) or international.enquiries@nottingham.edu.my (Non-Malaysian)  
w: [www.nottingham.edu.my/iwho](http://www.nottingham.edu.my/iwho)

#### Other related courses

[BA \(Hons\) Business Economics and Management \(page 31\)](#)

[BA \(Hons\) Finance, Accounting and Management \(page 32\)](#)

[BA \(Hons\) International Business Management \(page 33\)](#)

[BA \(Hons\) Management Studies \(page 34\)](#)

[BA \(Hons\) Management Studies with French/German/Japanese/Korean/Mandarin/Spanish \(page 34\)](#)

[BSc \(Hons\) Psychology \(page 111\)](#)

[BSc \(Hons\) Psychology and Cognitive Neuroscience \(page 111\)](#)

**“I joined The University of Nottingham Malaysia Campus wanting to improve my writing skills and this course has taught me just that.”**

**Chalani Ranwala / BA International Communication Studies with English Language and Literature**

Find out more about Chalani's experience at [www.nottingham.edu.my/modern-languages/studentexperience](http://www.nottingham.edu.my/modern-languages/studentexperience)

Chalani and her classmate Syeda Minaal Pervaiz discuss the skills they have gained from their BA (Hons) International Communication Studies degree.



Scan it! To find out how to watch this video on your smartphone see page 65.

# School of Modern Languages and Cultures

Media and communications underpin almost every facet of modern life, from the global economy, to our leisure time and interpersonal relationships, to how we learn about the world we live in. With digitisation and convergence only accelerating this trend, there is an ever-increasing need to understand the implications of these developments and to gain the skills and knowledge necessary to participate in shaping global media and communication infrastructures.

The School of Modern Languages and Cultures engages with the most up-to-date, dynamic, and forward-looking studies of the workings of global, regional and local societies. We are internationally recognised for the standard of our research. Our community of researchers and teachers are of international standing and our degree programmes are renowned all over the world.

The School of Modern Languages and Cultures consists of a diverse and international body of staff. Each staff member brings their own unique set of cultural and research specialisations and experiences to the delivery of a contemporary programme with wide-ranging significance to the modern environment.

## What is international communications?

International communications explores the complex world of communications, media and culture in their various forms – visual, linguistic and multimodal – from new technologies, politics and popular culture, to high culture, critical theory and news media. It will train you in the theories of local and international media and communication, enabling you to develop the practical, creative, analytical and problem-solving skills needed to succeed in our globalised society.

At The University of Nottingham Malaysia Campus we offer the following undergraduate degree programmes within modern languages and culture.

- BA (Hons) International Communication Studies
- BA (Hons) International Communication Studies with Film and Television Studies
- BA (Hons) International Communication Studies with English Language and Literature

## How you are taught

Classes are a dynamic mix of traditional lecture-style content delivery and class discussions where you will be encouraged to ask questions and voice your own opinions and interpretations. A carefully selected core reading list is crafted for each module and you will be supported in the development of your own individual extended reading programmes. In addition to theoretical and philosophical approaches, our teaching methods emphasise communication, argumentation and presentation skills; comprehension and information-processing; team-working and collaboration; independent thinking; and practical and vocational engagement.

You will be assessed mainly through individual research-based essays and presentations, but also some group work in order to foster the successful team dynamic essential to many professions.

## Career prospects

An international communications degree is your passport to a wide variety of rewarding professions. Likely career paths include: TV, film, radio and print – producers, reporters, journalists, editors, researchers; advertising, marketing and PR – copywriters, creatives, account executives; teaching and research; publishing, translation and interpreting; government service, civil service, diplomacy, embassy work; politics, think tanks, non-governmental organisations (NGOs); international business; management, HR, recruitment and consultancy; and arts or heritage administration and management.

# International communication

## BA (Hons) International Communication Studies

KPT/JPS(F3-K067)3/16

## BA (Hons) International Communication Studies with Film and Television Studies

UNMC(PNM1)6/15

## BA (Hons) International Communication Studies with English Language and Literature

UNMC(PNM2)6/15

You will study a range of core compulsory modules in all years. Depending on the course you are studying, you will take additional compulsory or optional modules from within the School or Faculty.

A unique aspect of our degree programmes is the compulsory language component. This ensures that you graduate with a high level of spoken and written fluency in a modern European or Asian language that is new to you, improving not only your grasp of another language and culture, but also dramatically enhancing your employability in today's extremely competitive job market.

### Year 1

#### Modules

- Introduction to Communication Theory
- Introduction to Cultural Studies
- Mass Media
- Cultures of Everyday Life
- Core Language (Beginners – French, Spanish, German, Mandarin, Japanese or Korean)

#### Film and TV Studies only:

- Approaches to Film and Television
- Film History

#### English Language and Literature only:

- Studying Modern Literature
- Introduction to Linguistics

### Year 2

#### Modules

- Communication Technologies
- Political Communication, Public Relations and Propaganda
- Global Media and Communication
- Cultural Politics
- Core Language (Intermediate – French, Spanish, German, Mandarin, Japanese or Korean)

#### Film and TV Studies only:

- Transnational Media
- Film and Television in Social and Cultural Context

#### English Language and Literature only:

- Understanding Literary Culture
- Investigating English Language (stylistics)

### Year 3

#### Modules

- Writing for the Media
- Media and Conflict
- Dissertation part 1 and 2
- International Communication Studies options
- Core Language (Advanced – French, Spanish, German, Mandarin, Japanese or Korean)

#### Optional Film and TV Studies modules\*

#### Optional English Language and Literature modules\*

\*Specifically for Film and TV Studies or English Language and Literature, but also open for International Communications Studies

Entry requirements		English language requirements
<b>A level</b>	BBC, excluding general studies, with grade C in SPM/GCSE/IGCSE mathematics	IELTS: 6.5 (no element below 6.0) TOEFL (iBT): 88 (no element below 19) PTE (Academic): 62 (minimum 55)
<b>IB Diploma</b>	28 points with 5,5,4 at Higher Level and 4 points in mathematics and Standard or Higher Level	SPM: grade A- 1119 (GCE O Level): grade B GCSE/IGCSE: grade C
<b>STPM</b>	B+B+B+ excluding Pengajian Am, with grade C in SPM mathematics	UEC: grade A2
<b>UEC</b>	4 As, excluding Bahasa Malaysia and Chinese language	IB English A1 or A2 (SL or HL): 4 points IB English B (HL): 4 points IB English B (SL): 5 points
<b>SAM/AUSMAT/HSC</b>	ATAR (UAI)/TER/ENTER 82	<i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>
<b>Canadian Pre-U</b>	80% average based on 6 subjects	
<b>Foundation</b>	Successful completion of the Foundation in Arts and the Foundation in Business and Management programmes	

We strongly encourage all interested students to apply. Our students come to us with a diverse range of qualifications and the only way to determine eligibility is by submitting a completed application – please see our 'Entry requirement guidelines' on page 114.

#### Fees:

Malaysian – RM33,000 per year  
Non-Malaysian – RM37,950 per year

#### Mode of study:

Full-time, 3 years

#### Intake:

September

#### Find out more

#### School of Modern Languages and Cultures

t: +6 (03) 8924 8000

e: [enquiries@nottingham.edu.my](mailto:enquiries@nottingham.edu.my) (Malaysian) or [international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my) (Non-Malaysian)

w: [www.nottingham.edu.my/modern-languages](http://www.nottingham.edu.my/modern-languages)

“Studying international relations on an international campus gives me an edge. I get to attend conferences in Kuala Lumpur with international speakers from the EU and beyond.”

Rebecca McKeown / BA International Relations



Find out more about Rebecca's experience at [www.nottingham.edu.my/politics/studentexperience](http://www.nottingham.edu.my/politics/studentexperience)

Rebecca catching up on some reading in the sunshine on campus.



Scan it! To find out how to watch this video on your smartphone see page 65.

# School of Politics, History and International Relations

There has never been a more relevant or exciting time to study politics and international relations. Economic globalisation, social mobility and rapid changes in domestic, regional and global politics increasingly impact on our daily lives.

The School of Politics, History and International Relations is part of a global university with a thriving international student body, providing a unique environment for studying international relations. Our staff are internationally trained educators engaged in a broad range of cutting-edge, policy-relevant and curiosity-driven research. Our students engage with policymakers from international organisations and the public sector, and can also benefit from a range of internship and study abroad opportunities.

## What is international relations?

International relations studies the complex relations between and among states, societies, individuals, identities and cultures in areas such as politics, security, economics and law. It considers some of the most burning questions of the day, such as: how power and resources are allocated on the international stage? Where and when is power exercised and justified? Who power is exercised for, and why is it exercised in the way it is? It also investigates deeper questions relating to how we understand and conceptualise contemporary global transformations.

At The University of Nottingham Malaysia Campus we offer the following undergraduate degree programmes within politics, history and international relations.

- BA (Hons) International Relations
- BA (Hons) International Relations with French
- BA (Hons) International Relations with German
- BA (Hons) International Relations with Japanese
- BA (Hons) International Relations with Korean
- BA (Hons) International Relations with Mandarin
- BA (Hons) International Relations with Spanish

## How you are taught

Our teaching methods are designed to transmit detailed knowledge of the field and to help you develop the transferable skills required to succeed in your future career. As well as lectures and seminars, our staff utilise films, role plays and simulations. You will be presented with a variety of different challenges and types of assessment, including presentations, exams, essays, reviews and group projects. The School specialises in small group teaching, which will enable you to explore the subject as it is practiced - through intense debate and discussion.

We offer you numerous opportunities for academic engagement beyond the official curriculum. These include subject-specific student societies such as PHIR-NOTT, Model United Nations, and the Debating Society; seminars and talks by visiting academics; and intellectual opportunities offered by the various research institutes, embassies and international organisations located in Kuala Lumpur.

## Career prospects

Our degrees will equip you for a career in a wide variety of fields including foreign ministries, international organisations, international businesses and finance, non-governmental and aid sectors, international media and journalism, local and national government, think-tanks, policy advice and lobbying.

# International relations

## BA (Hons) International Relations

UNMC(L254)6/15

## BA (Hons) International Relations

with French UNMC(LNM1)6/15/

German KPT/JPS(N/313/6/002)5/17/

Japanese UNMC(LNM3)6/15/Korean

KPT/JPS(N/313/6/003)5/17/Mandarin

UNMC(LNM4)6/15/Spanish UNMC(LNM2)6/15

Your first year will introduce you to the key analytical approaches used in the study of global politics. It draws on international political events in historical and contemporary settings. Your second year modules will focus on security, political economy, global society and contemporary history and prepare you for your final year dissertation by providing training in research techniques. You will pursue your own independent research project during your third year while taking elective modules based on the research-expertise of the school staff.

### Year 1

#### Modules

- Approaches to Global Politics
- Issues in Global Politics
- European Union Studies
- Paths to Modernity, Europe 1789-1945
- Foundations in International Studies
- Foreign language options

### Year 2

#### Modules

- International Security
- Global Political Economy and International Development
- Intelligence and International Relations
- Designing International Relations Research
- Introduction to Global Citizenship
- The Contemporary World since 1945
- Global Media
- Cultural Politics
- Political Communication, Public Relations and Propaganda
- Foreign language options

### Year 3

#### Modules

- Nations and Nationalism
- Foreign Policy Analysis
- War, Power and Modern Societies
- Culture, Identity and Political Transformation in the Asia-Pacific
- The International Politics of Food, Hunger and Development
- International Organisations
- Foreign language options
- The politics of European monetary (dis) integration

#### Dissertation

International relations studies the complex relations between and among states, societies, individuals, identities and cultures in areas such as politics, security, economics and law and enables you to address some of the most burning issues of the day.

Entry requirements		English language requirements
<b>Foundation</b>	Successful completion of the Foundation in Arts and Education or the Foundation in Business and Management programmes	IELTS: 6.5 (no element below 6.0) TOEFL (iBT): 88 (no element below 19)
<b>International relations</b>		PTE (Academic): 62 (minimum 55)
<b>A level</b>	BBB excluding general studies with grade C in SPM/GCSE/IGCSE mathematics	SPM: grade A- 1119 (GCE O Level): grade B
<b>IB Diploma</b>	30 points with 5,5,5, at Higher Level and 5 points in mathematics at Standard or Higher Level	GCSE/IGCSE: grade C
<b>STPM</b>	B+B+B+ excluding Pengajian Am, with a grade C in SPM mathematics	UEC: grade A2 IB English A1 or A2 (SL or HL): 4 points
<b>UEC</b>	5 As, excluding Bahasa Malaysia and Chinese language	IB English B (HL): 4 points
<b>SAM/AUSMAT/HSC</b>	ATAR (UAI)/TER/ENTER 86	IB English B (SL): 5 points
<b>Canadian Pre-U</b>	85% average based on 6 subjects	<i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>
<b>International relations with a language</b>		
<b>A level</b>	ABB excluding general studies, with grade C in SPM/GCSE/IGCSE mathematics	
<b>IB Diploma</b>	32 points with 6,5,5, at Higher Level and 5 points in mathematics at Standard or Higher Level	
<b>STPM</b>	AB+B+, excluding Pengajian Am, with grade C in SPM mathematics	
<b>UEC</b>	6 As, excluding Bahasa Malaysia and Chinese language	
<b>SAM/AUSMAT/HSC</b>	ATAR (UAI)/TER/ENTER 90	
<b>Canadian Pre-U</b>	87% average based on 6 subjects	
Applicants for degree programmes with a language minor must have no prior knowledge of the language concerned		

We strongly encourage all interested students to apply. Our students come to us with a diverse range of qualifications and the only way to determine eligibility is by submitting a completed application – please see our 'Entry requirement guidelines' on page 114.

#### Fees:

Malaysian – RM33,000 per year  
Non-Malaysian – RM37,950 per year

#### Mode of study:

Full-time, 3 years

#### Intake:

September

#### Find out more

**School of Politics, History and International Relations**

t: +6 (03) 8924 8000

e: [enquiries@nottingham.edu.my](mailto:enquiries@nottingham.edu.my) (Malaysian) or

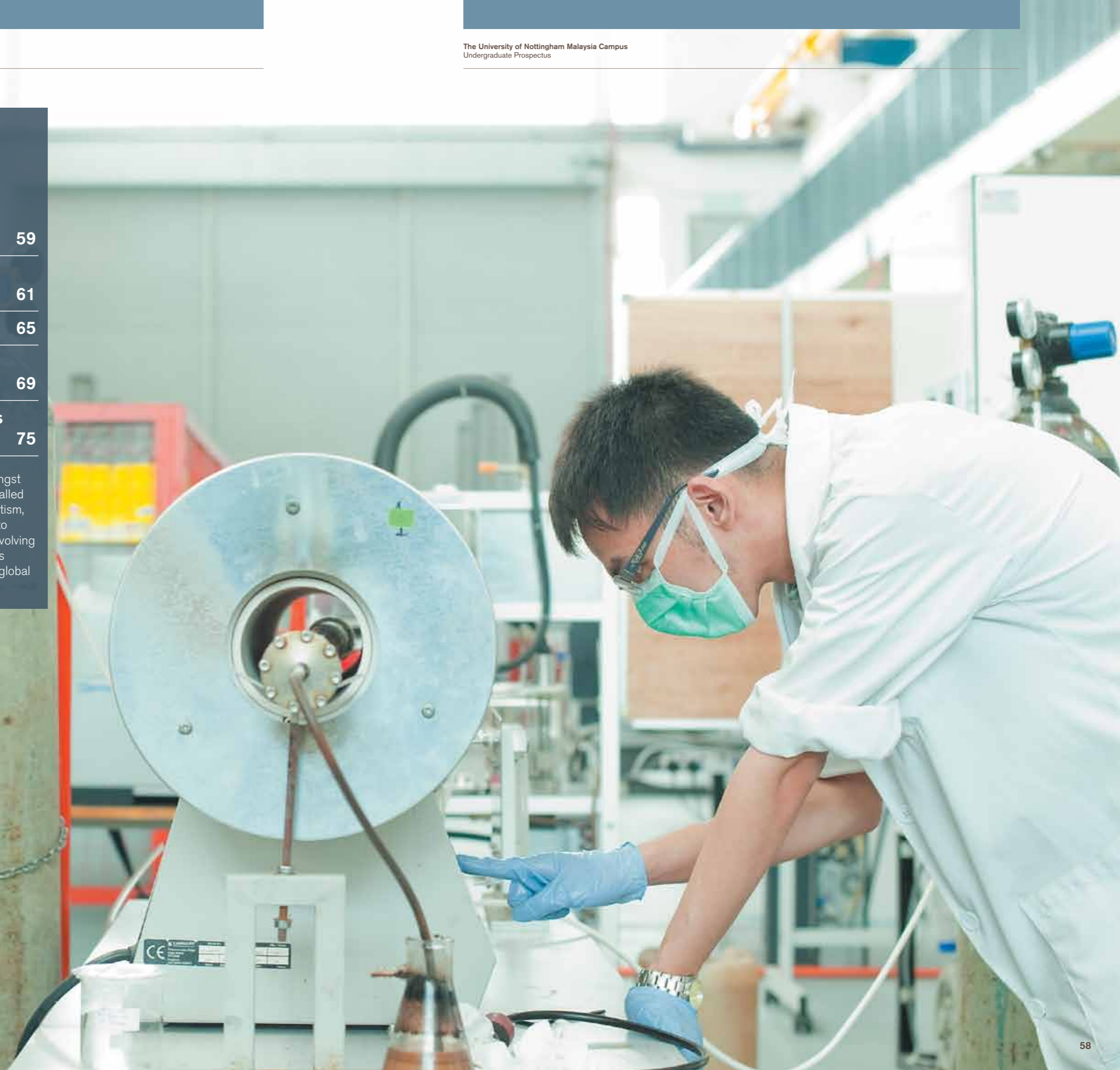
[international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my) (Non-Malaysian)

w: [www.nottingham.edu.my/politics](http://www.nottingham.edu.my/politics)

# Faculty of Engineering

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The Faculty of Engineering is recognised as being amongst the best in higher education. Our students gain an unrivalled combination of quality, excellence, strength and pragmatism, enabled learning, boldness and innovation. It is difficult to overstate the importance of engineering in our rapidly evolving world, and our graduates can expect to contribute to this ever-changing environment through exciting careers in global companies and organisations the world over.



A student puts the engineering equipment to good use within our specialist facilities at the Malaysia Campus.

# Foundation in Engineering

KPT/JPS( F3-K026)/(A1106)2/16

The Foundation in Engineering programme at The University of Nottingham Malaysia Campus is an excellent access route to the undergraduate courses offered by the Faculty of Engineering. By enrolling on the programme you will have a direct path towards a range of three year BEng and four year MEng undergraduate degree programmes in a number of engineering disciplines. Upon successful completion of the programme, progression to an undergraduate-level programme is automatic and unconditional.

Modules are taught by staff members who specialise in pre-university education, many of whom are active in research. You will therefore experience a gradual transition from secondary- to tertiary-level education. You will have opportunities to interact with students and lecturers across the Faculty of Engineering Faculty, and the experience will help you to make an informed decision on the branch of engineering that you would like to pursue.

## What is the Foundation in Engineering?

The foundation programme runs full-time for either three semesters or two semesters. The three-semester programme is ideal if you have completed a minimum of 11 years of formal education. The two semester programme is suitable if you have completed at least 12 years of formal education but need to enhance your skills in order to undertake an undergraduate degree.

After you have successfully completed the foundation programme you can go on to study one of our undergraduate degree programmes.

## How you are taught

The Foundation aims to give you a broad understanding of the fundamentals of engineering as well as a solid grounding in mathematics and other subjects that will allow you to successfully proceed to the undergraduate level.

As an engineering student you will spend a significant amount of time performing lab work, as well as participating in tutorials, written assignments, and attending lectures. There is a strong emphasis on the teaching of the mathematical and physical sciences. You will also be introduced to computer language and programmes, as well as study and research techniques essential for undergraduate level courses.

## Course structure

Each semester consists of 15 weeks, with 10-12 weeks of teaching and two weeks of examinations. If you study for the three-semester programme, you would take all modules. If you opt for the two-semester programme you would take the modules for the second and third semesters. All modules are compulsory.

### First semester:

- Foundation Algebra
- Basic Engineering Mechanics A
- Chemistry A
- Light, Waves and Electrons
- Pre-calculus
- English Language and Study Skills 1

### Second semester:

- Mathematical Techniques
- Calculus 1
- Thermal Science A
- Computer Methods
- Electricity and Magnetism A
- Study Skills

### Third semester:

- Applied Algebra for Engineers
- Calculus 2
- Introduction to C Programming
- Thermal Science B

Plus two of the following optional modules:

- Basic Engineering Mechanics B
- Chemistry B
- Electricity and Magnetism B
- Data Gathering and Communications

## Progressing to degree level

On successful completion of the foundation programme, you can choose from the following undergraduate courses depending on your academic performance and interest.

### Chemical Engineering:

- BEng/MEng (Hons) Chemical Engineering
- BEng/MEng (Hons) Chemical Engineering with Environmental Engineering

### Civil Engineering:

- BEng/MEng (Hons) Civil Engineering

### Electrical and Electronic Engineering:

- BEng/MEng (Hons) Electrical and Electronic Engineering
- BEng/MEng (Hons) Electronic and Communications Engineering
- BEng/MEng (Hons) Electronic and Computer Engineering

### Mechanical, Materials and Manufacturing Engineering:

- BEng/MEng (Hons) Mechanical Engineering
- BEng/MEng (Hons) Mechatronic Engineering

Entry requirements		English language requirements
<b>SPM</b>	A minimum of 2 B+s in mathematics and additional mathematics and 4 Bs, including physics and chemistry	IELTS: 6.0 (no elements below 5.5) TOEFL (iBT): 79 (no element below 19)
<b>GCSE/IGCSE</b>	A minimum of 1 A in mathematics and 4 Bs including physics and chemistry	PTE (Academic): 55 (minimum 51) SPM: grade B+
<b>UEC</b>	A minimum of 6 Bs including mathematics, physics and chemistry	1119 (GCE O Level): grade C GCSE/IGCSE: grade C
<b>SAM/ AUSMAT/ HSC</b>	ATAR (UAI)/TER/ENTER 80, including mathematics, physics and chemistry	UEC: grade B3
Applicants who have successfully completed 12 years of schooling at an appropriate standard (definitions will vary according to school system) may be accepted into the two semester programme		<i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>

We strongly encourage all interested students to apply. Our students come to us with a diverse range of qualifications and the only way to determine eligibility is by submitting a completed application – please see our 'Entry requirement guidelines' on page 114.

### Fees:

Malaysian – RM8,270 per semester  
Non-Malaysian – RM9,370 per semester

### Intakes:

3-semester programme: April and July

2-semester programme: September

\*Please note that the Foundation in Engineering course structure is under review and modules are likely to change. Please contact the Faculty of Engineering for further information.

### Find out more

#### Faculty of Engineering

t: +6 (03) 8924 8000

e: [enquiries@nottingham.edu.my](mailto:enquiries@nottingham.edu.my) (Malaysian) or

[international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my) (Non-Malaysian)

w: [www.nottingham.edu.my/foundation/engineering](http://www.nottingham.edu.my/foundation/engineering)

“The most important thing the course has taught me is how to become a good engineer. I am taught to think critically and have the opportunity to plan and design a plant, taking into account environment, safety and cost.”

Ooi Chel Gee/ BEng Chemical and Environmental Engineering



Find out more about Chel Gee's experience at [www.nottingham.edu.my/engineering/chemical/studentexperience](http://www.nottingham.edu.my/engineering/chemical/studentexperience)



Scan it! To find out how to watch this video on your smartphone see page 53.

Chel Gee operating equipment in an engineering lab.

# Department of Chemical and Environmental Engineering

Chemical Engineers work in a huge range of companies manufacturing products as diverse as petroleum products, bulk chemicals, food, drinks, pharmaceuticals, synthetic fabrics and fine chemicals. Their job is to transform efficiently and safely raw materials into useful products with the minimum environmental impact.

Chemical Engineering has been established at The University of Nottingham since 1961, and ranks in the top three UK institutions for research along with Cambridge and Oxford. We have a long history of collaboration with industry, and graduates gain jobs with major companies. The same programmes are available in the UK and at The University of Nottingham Malaysia Campus.

All our courses are accredited by the Engineering Accreditation Council (EAC) Malaysia and the Institution of Chemical Engineers (IChemE) UK.

## What is chemical engineering?

Chemical engineering can be defined as the processing of materials on a commercial scale, ranging from traditional commodities and utilities through to modern, high added-value products. This involves the integration of engineering principles and applications with chemistry and other sciences.

There is a growing need to harmonise industrial and commercial activities with the protection and enhancement of the environment, and our Chemical Engineering with Environmental Engineering course is intended to equip you to specialise in environmental aspects of the discipline.

At The University of Nottingham Malaysia Campus we offer the following undergraduate degree programmes within chemical engineering.

- BEng (Hons) Chemical Engineering
- MEng (Hons) Chemical Engineering
- BEng (Hons) Chemical Engineering with Environmental Engineering
- MEng (Hons) Chemical Engineering with Environmental Engineering

## How you are taught

The BEng and MEng degree programmes have common first and second years, with all students following the same course of study for two years. At the end of your second year you can choose to continue for either a three-year BEng degree, or four-year MEng degree.

Both the BEng or MEng option will provide you with the same core skills but by choosing to study for the MEng you will undertake a more substantial project with greater opportunity for specialisation and experience of research methods. We strongly recommend this MEng route if you wish to pursue an engineering career.

## Course structure

You will start your degree by studying mechanisms and principles of operations involving flow of fluids, heating and cooling, chemical composition change and the inter-relationship between heat and power. Fundamentals of material and energy balances, separation processes and environmental engineering are introduced and illustrated in small-scale laboratory work.

During your second year you will learn about common process operations, equipment items and methods for their design. You will also undertake laboratory work of intermediate scope. If studying the environmental engineering course you will also cover materials, biotechnology, interfaces, chemical thermodynamics, engineering management, and environmental protection or environmental assessment.

In your third year you will focus in more detail on safety, separation techniques, reactors, control, project management; and chemical product design or waste and waste water treatment if studying the environmental engineering course. The laboratory work you undertake will be wider in scope and you will complete an extensive group project.

If you are studying for the MEng you will also undergo at least 12 weeks of industrial training in an external institution before starting your fourth year of study.

During the fourth year of the MEng, your studies will concentrate on more advanced aspects of fluid, heat and multiphase flow processes, reactors and whole process synthesis, with the environmental engineering course also covering air pollution. You will also undertake a substantial and wide-ranging group project that allows you room to further develop your own specialised interests.

## Career prospects

You will be equipped for a career in chemical engineering, working as a professional in areas such as process and product design or plant management, or for work in other disciplines benefitting from the technical and problem-solving skills you have acquired.

Additionally, the chemical engineering with environmental engineering degrees equip you for a career in environmental engineering, perhaps working as a professional in environment-related functions such as waste treatment, pollution control or materials recycling.

As a Nottingham chemical engineering graduate you will be highly sought-after by companies worldwide. With our unique combinations of chemical and environmental engineering, we are well placed to provide multi-skilled graduates to work in a diverse range of industries including energy, oil and gas, pharmaceutical, food and environmental services, as well as government agencies and departments around the world.



# Chemical engineering

## BEng/MEng (Hons) Chemical Engineering

KPT/JPS(F3-K061/062/(A10470))3/16

These programmes will provide you with core scientific and engineering knowledge coupled with a wide range of transferrable skills – IT, communications, management, analysis, problem solving and team work – to prepare you for a career in the petroleum refining, petrochemicals, commodity and specialty chemicals, pharmaceuticals, fertilisers, food processing, fuels and energy production, water treatment or minerals processing sectors.

MEng students will need to undergo at least 12 weeks of industrial training in an external institution and meet appropriate coursework requirement before starting 4th year of study.

## BEng/MEng (Hons) Chemical Engineering with Environmental Engineering

KPT/JPS(F3-K063/064)/(A10472)3/16

Studying these programmes you can expect to acquire the essential core knowledge and skills of chemical engineering enhanced with added emphasis on the minimisation of environmental impacts. The programme will provide you with core scientific and engineering knowledge coupled with a wide range of transferrable skills which will together enable you to create environmentally responsible solutions to the engineering challenges of tomorrow.

MEng students will need to undergo at least 12 weeks of industrial training in an external institution and meet appropriate coursework requirement before starting 4th year of study.

### Year 1

#### Modules

- Introductory Chemistry
- Physics and Process Chemistry
- Process Engineering Fundamentals
- Fluid Mechanics
- Fundamentals of Engineering Design
- Engineering Thermodynamics
- Heat and Mass Transfer
- Separation Processes Fundamentals
- Chemistry in the Environment
- Introductory Geology
- Engineering Mathematics

### Year 2

#### Modules

- Computer Systems
- Analytical Measurement
- Separation Processes
- Engineering Materials
- Plant Design
- Chemical and Phase Equilibria
- Particle Mechanics
- Waste Management
- Probabilistic and Numerical Techniques for Engineers
- Differential Equations and Calculus
- Chemical Engineering Project\*
- Interfacial Chemistry\*
- Site Investigation\*\*
- Environmental Field Course\*\*

### Year 3

#### Design Project

#### Modules

- Chemical Engineering Laboratory
- Multi-component Separations
- Reactor Design
- Project Management
- Process Dynamics and Control
- Process Simulation 1
- Advanced Transport Phenomena
- Chemical Product Design\*
- Bioreaction Engineering\*
- Water Treatment\*\*
- Air Pollution\*\*

### Year 4 (MEng only)

#### Research and Development Project

#### Optional modules include

- Computational Fluid Dynamics
- Process Synthesis and Design
- Process Design and Optimisation
- Multiphase Systems
- Advanced Computational Methods
- Advanced Rheology and Materials
- Advanced Reaction Engineering
- Power Generation and Carbon Capture
- Water Treatment Engineering
- Advanced Process Control
- Air Pollution
- Food Processing Technology
- Nanotechnology
- Industrial Dehydration
- Microfluidic Technology
- Statistical Process Control and Quality Management

\* BEng/MEng (Hons) Chemical Engineering only

\*\* BEng/MEng (Hons) Chemical Engineering with Environmental Engineering only

Entry requirements		English language requirements
<b>A level</b>	ABB, including mathematics and either physics or chemistry, excluding general studies	IELTS: 6.0 (no elements below 5.5)
<b>IB Diploma</b>	32 points, including 5 points in mathematics (HL) and 5 points in either physics or chemistry (HL)	TOEFL (iBT): 79 (no elements below 19) PTE (Academic): 55 (minimum 51)
<b>STPM</b>	AB+B+, including mathematics and either physics or chemistry, excluding Pengajian Am	SPM: grade B+
<b>UEC</b>	5 As including mathematics, physics and chemistry, 2 Bs in 2 further academic subjects	1119 (GCE O Level): grade C GCSE/ IGCSE: grade C
<b>SAM/AUSMAT/HSC</b>	ATAR (UAI)/TER/ENTER 90 including mathematics, physics and chemistry	UEC: grade B3
<b>Canadian Pre-U</b>	87% average based on 6 subjects, including mathematics and science subjects	IB English A1 or A2 (SL or HL): 4 points IB English B (HL): 4 points
<b>Foundation</b>	Successful completion of all modules in the Nottingham Foundation In Engineering programme	IB English B (SL): 5 points  <i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>

We strongly encourage all interested students to apply. Our students come to us with a diverse range of qualifications and the only way to determine eligibility is by submitting a completed application – please see our 'Entry requirement guidelines' on page 114.

#### Fees:

Malaysian – RM40,240 per year  
Non-Malaysian – RM44,100 per year

#### Mode of study:

BEng – Full-time, 3 years  
MEng – Full-time, 4 years

#### Intake:

September

#### Find out more

**Department of Chemical and Environmental Engineering**  
t: +6 (03) 8924 8000  
e: enquiries@nottingham.edu.my (Malaysian) or  
international.enquiries@nottingham.edu.my (Non-Malaysian)  
w: [www.nottingham.edu.my/engineering/chemical](http://www.nottingham.edu.my/engineering/chemical)

## Other related courses

[BSc \(Hons\) Biomedical Sciences \(page 85\)](#)

[MPharm \(Hons\) Pharmacy \(page 105\)](#)

[BSc \(Hons\) Pharmaceutical and Health Sciences \(page 107\)](#)

“It’s a very varied course. You don’t get tied down to one discipline and you get to learn about a variety of topics applicable in the world around you.”

Sam Cox / BEng Civil Engineering



Find out more about Sam’s experience at  
[www.nottingham.edu.my/engineering/civil/studentexperience](http://www.nottingham.edu.my/engineering/civil/studentexperience)

Sam is preparing to start a concrete-mixing practical in a laboratory.



Scan it! To find out how to watch this video on your smartphone see page 53.

# Department of Civil Engineering

Civil engineers must consider many factors in the design process, from the construction costs and expected lifetime of a project to government regulations and potential environmental hazards such as earthquakes. Civil engineers hold supervisory or administrative positions, from supervisor of a construction site to city engineer.

At The University of Nottingham Malaysia Campus, you will follow the same high-quality degree curriculum that has helped civil engineering at The University of Nottingham to be consistently rated among the top civil engineering schools in the UK. You will benefit from a course informed by world-leading research that ranked the Department of Civil Engineering second in England in the latest Research Assessment exercise.

## What is civil engineering?

Everyday we rely on some aspect of civil engineering to enable us to live our lives. As a civil engineer you must be socially aware and interested in working with people to solve problems and meet challenges. Whether it is building the French Millau bridge, the London Eye, the Petronas Towers or life-saving water treatment plants in developing countries, civil engineering is the core discipline that enables projects to happen.

Touching just about every kind of structure you can think of – bridges, roads, tunnels, skyscrapers, water supply facilities and even the coast and flood defences that protect homes – civil engineering is fundamental to the world around us and underpins a modern society.

At The University of Nottingham Malaysia Campus we offer the following undergraduate degree programmes within civil engineering.

- BEng (Hons) Civil Engineering
- MEng (Hons) Civil Engineering

## How you are taught

The main areas and principles of civil engineering are introduced in the first and second years. More advanced subjects are included in later years, together with optional modules. You will undertake a broad range of activities, including field courses and individual project, group-based design work, laboratory work and CAD work.

Assessment at the end of each semester combines examinations, coursework, laboratory work and projects. Progression through a course is based on an annual appraisal covering all that year’s modules.

During your studies you will have the opportunity to spend up to two semesters in the UK at Malaysia Campus fees. Alternatively, you have the opportunity to transfer to the UK campus after your first, second or third year, and complete your degree paying UK fees.

## Industrial training

Industrial training is compulsory if you pursue the MEng degree curriculum. If you pursue the BEng degree you are not required to participate but will be strongly encouraged to do so. Industrial training also provides a great way to identify top career prospects.

You will be expected to participate in industrial training during the summer vacation after the second year of studies, although participation in other years or multiple-participation is also allowed. All industrial training must last at least twelve consecutive weeks in the same company or institution.

## Professional recognition

All BEng and MEng programmes are accredited by the Institution of Civil Engineers, the Institution of Structural Engineers and the Institution of Highways and Transportation and meet the current requirements of the Engineering Council UK. Additionally, our MEng programme is accredited by the Board of Engineers Malaysia.

## Career prospects

Civil engineers are needed all over the world in design, construction and management positions. By the end of the course, you will be equipped to embark on a career in civil engineering, or other disciplines that require numerate, problem-solving graduates, perfectly prepared to find employment across specialties including structural design, construction, geotechnical, water resources, transportation, and urban planning.

The MEng course is designed to produce graduates with leadership potential, providing the breadth and depth of knowledge to reach the top in their chosen career.

# Civil engineering

## BEng/MEng (Hons) Civil Engineering

KPT/JPS(H201)3/15

The BEng and MEng degree programmes have common first and second years, with all students following the same course of study for two years. At the end of your second year you can choose to continue for either a three-year BEng degree, or four-year MEng degree.

Both the BEng or MEng option will provide you with the same core skills but by choosing to study for the MEng you will undertake a more substantial project with greater opportunity for specialisation and experience of research methods. We strongly recommend this MEng route if you wish to pursue an engineering career.

Your first year will introduce you to the core disciplines and the context of civil engineering. You will gain an understanding of engineering design through group project work which includes conceptual design of a bridge, station, tower or other structure. You will also undertake a residential surveying field course where you will work on group exercises in surveying, mapping and setting out.

Alongside further optional modules, your understanding of core subjects will be developed in more depth during your second year. To help you see the application of your studies, you will undertake a year-long project that follows the design of a civil engineering project from initial concepts through to detailed design.

In your third year you will further develop your knowledge of core subjects. If you are studying for the MEng you will examine engineering in context. Focusing on an aspect of civil engineering of your choice you will investigate how it is carried out in practice in the current construction industry. If you are studying for the BEng, you will choose a project in your preferred discipline and plan a detailed investigation. Typically projects involve laboratory experimentation, field investigations or computer modelling, and require data collection and analyses. If you study the MEng, you will undertake this in your fourth year.

In the fourth year of the MEng, you will be able to choose from a wide range of optional modules and undertake an individual design project. You will also complete a group design project, designing and planning a civil engineering project that aims to integrate all the disciplines covered on the course. Typical projects include water works, highway schemes, retail parks, residential complex development. Staff and visiting professionals provide guidance.

### Year 1

#### Modules

- Structural Mechanics
- Industry and Profession
- Communications
- Surveying
- Management
- Hydraulics
- Geotechnics
- Materials
- Mathematics
- Conceptual design project
- Surveying field course

### Year 2

#### Modules

- Structures
- Surveying
- Construction Management
- Hydraulics
- Geotechnics
- Materials

#### Civil Engineering Design Project

### Year 3

#### Modules

- Structures
- Construction Management
- Hydraulics
- Geotechnics
- Materials
- Industrial training

#### Optional modules

- Pavement Engineering
- Steel Structures
- Railway Engineering
- Environmental Geotechnology

#### Investigative Project (BEng only)

#### Engineering in Context (MEng only)

### Year 4 (MEng only)

#### Group Design Project

#### Modules

- Coastal Engineering
- Natural Hazards and Environmental Fluid Mechanics
- Construction Planning and Risk
- Advanced Pavement Materials
- Concrete Structures
- Finite Element Analysis
- Soil Mechanics
- Computational Fluid Dynamics
- Concrete Technology
- Construction Management Processes
- Traffic Engineering
- Investigative project

Entry requirements		English language requirements
<b>A level</b>	BBB, including mathematics and physics, excluding general studies	IELTS: 6.0 (no elements below 5.5)
<b>IB Diploma</b>	30 points, including 5 points in mathematics (HL) and 5 points in physics (HL)	TOEFL (iBT): 79 (no elements less than 19) PTE (Academic): 55 (minimum 51)
<b>STPM</b>	B+B+B+, including mathematics and physics, excluding Pengajian Am	SPM: grade B+
<b>UEC</b>	5 As, including mathematics, physics and chemistry, 2 Bs in 2 further academic subjects	1119 (GCE O Level): grade C GCSE/ IGCSE: grade C
<b>SAM/AUSMAT/HSC</b>	ATAR (UAI)/TER/ENTER 86 including mathematics, physics and chemistry	UEC: grade B3
<b>Canadian Pre-U</b>	85% average based on 6 subjects, including mathematics and science subjects	IB English A1 or A2 (SL or HL): 4 points IB English B (HL): 4 points
<b>Foundation</b>	Successful completion of all modules in the Nottingham Foundation in Engineering programme	IB English B (SL): 5 points <i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>

We strongly encourage all interested students to apply. Our students come to us with a diverse range of qualifications and the only way to determine eligibility is by submitting a completed application – please see our 'Entry requirement guidelines' on page 114.

#### Fees:

Malaysian – RM40,240 per year  
Non-Malaysian – RM44,100 per year

#### Mode of study:

BEng – Full-time, 3 years  
MEng – Full-time, 4 years

#### Intake:

September

#### Find out more

#### Department of Civil Engineering

t: +6 (03) 8924 8000

e: enquiries@nottingham.edu.my (Malaysian) or  
international.enquiries@nottingham.edu.my (Non-Malaysian)

w: [www.nottingham.edu.my/engineering/civil](http://www.nottingham.edu.my/engineering/civil)

“I chose to study at UNMC because I wanted a world-class education whilst staying in Malaysia. I chose Electrical and Electronic Engineering because of my interest in sustainable and renewable energy.”

Alexander Gunjau Fowler / MEng Electrical and Electronic Engineering



Find out more about Alexander's experience at [www.nottingham.edu.my/engineering/electrical/studentexperience](http://www.nottingham.edu.my/engineering/electrical/studentexperience)

Alexander stood outside the Solar House on the Malaysia Campus.



Scan it! To find out how to watch this video on your smartphone see page 53.

# Department of Electrical and Electronic Engineering

Electrical and Electronic Engineering continues to transform the way we live – from the latest consumer products through to sophisticated scientific and industrial technologies. The subject area encompasses an interesting range of topics and develops a variety of skills that are in great demand by employers.

Nottingham is one of the leading universities for a degree-level education in electrical and electronic engineering. The Department of Electrical and Electronic Engineering was one of the first departments to be established at the Malaysia Campus and our academic staff, like our UK-based colleagues, have an extensive research portfolio.

[www.nottingham.edu.my/engineering/research](http://www.nottingham.edu.my/engineering/research)

## What is electrical and electronic engineering?

There are a wide range of topics under the heading of electrical engineering, so as well as providing you with a thorough grounding in both the academic and practical aspects, our courses enable you to specialise in a particular branch of the subject dependent upon your interests and talents. One of these branches, mechatronic engineering, is a professional discipline that encompasses electrical, electronic and mechanical engineering with intelligent embedded control.

At The University of Nottingham Malaysia Campus we offer the following undergraduate degree programmes within electrical and electronic engineering.

- BEng (Hons) Electrical and Electronic Engineering
- MEng (Hons) Electrical and Electronic Engineering
- BEng (Hons) Electronic and Communications Engineering
- MEng (Hons) Electronic and Communications Engineering
- BEng (Hons) Electronic and Computer Engineering
- MEng (Hons) Electronic and Computer Engineering
- BEng (Hons) Mechatronic Engineering
- MEng (Hons) Mechatronic Engineering

## How you are taught

Lectures, practical laboratory sessions and project work are supplemented by problem solving workshops and tutorials. For a typical week in your first year you can expect to attend about 10-12 hours of lectures, five hours of problem-based workshops, six hours of practical, hands-on laboratory sessions and one hour in a small group tutorial. Additionally you will undertake independent work and complete the necessary reading in preparation for writing reports and laboratory experiments.

You will be assessed through a broad range of methods including coursework, dissertation and oral presentations, as well as tests and examinations.

Both the BEng or MEng option will provide you with the same core skills but by choosing to study for the MEng you will undertake a more substantial project with greater opportunity for specialisation and experience of research methods.

We strongly recommend this MEng route if you wish to pursue an engineering career.

## Course structure

During your first year you will gain an understanding of the principles and practices of electrical engineering and your chosen specialist subject area, through the study of analogue and digital electronics, the application of electrical energy and practical work including programming and projects. Your understanding of underpinning subjects, such as mathematics, will also be developed. During your second year you will continue to develop your understanding and undertake group projects, presentations and seminars that will enable you to gain the skills and understanding essential for the workplace. In your third year, and if undertaking the MEng, your fourth year, you can choose from a range of specialised topics, as well as undertake an individual research project which forms a major component of the final year assessment.

## Industrial training

Industrial training is compulsory if you pursue the MEng degree curriculum. On the BEng degree you are not required to participate but will be strongly encouraged to do so. You will be expected to participate in industrial training during the summer vacation after your second year, although participation in other years or more than once is also allowed.

## Professional recognition

All of our BEng and MEng undergraduate courses are fully accredited by the Institution of Engineering and Technology (IET), allowing our graduates a fast-track development to the status of Chartered Engineer (CEng). Accredited MEng degrees provide exemption from further study on the route to CEng status, while accredited BEng degrees will require a further period of study in order to gain CEng status.

Our MEng courses are currently accredited by the Board of Engineers Malaysia (BEM) providing graduates with the 'Accredited Engineering Degree'. The route to professional engineer status can be found at the Institute of Engineers Malaysia (IEM) website: [www.iem.org.my](http://www.iem.org.my)

## Career prospects

Electrical and electronic engineering continue to be buoyant industries. Many of our graduates pursue engineering careers in a range of industries, such as electrical and electronic design, manufacturing, power plants, devices and systems design and development, electrical and electronic equipment and systems design and fabrication, and transmission. Others enter the management and commerce sector, or software and IT. Some also choose to continue their studies with further education.

A degree from Nottingham has a high reputation within the electrical and electronic engineering industry, and industry and finance generally, opening up a world of opportunity and prospects. In recent years the majority of our graduates have quickly found career employment with over 97 per cent of our graduates starting work or registering for further study, within three months of graduation.

# Electrical and electronic engineering

## BEng/MEng (Hons) Electrical and Electronic Engineering

KPT/JPS(H603)3/15

This degree offers you the chance to study a broad range of topics whilst still allowing you to specialise in the later years of the course. Topics including electronic design, communications, software engineering, computer modelling, microelectronics, power generation and distribution, electrical machines, signal processing, renewable energy systems, and instrumentation make this a truly multidisciplinary degree.

## BEng/MEng (Hons) Electronic and Communications Engineering

KPT/JPS(H690)3/15

This course has a particular focus on communication devices, electronics, protocols and systems, and your choice of modules and project work will develop your specialism in these areas. As an electronics and communications engineer you will be equally familiar with traditional radio or analogue communications as you are with modern digital and mobile communications, such as concepts of artificial intelligence in mobile communications networks.

One of the main differences between electronic and communications engineering and the other fields of electrical engineering is the emphasis on digital and analogue communications from radio frequencies (RF) to optical frequencies. This skill set will enable you to excel in fields where design knowledge of analogue and digital communications systems is required such as in mobile telephony, walkie-talkie design and radar system design.

Electrical and electronic engineering can form a platform for many different disciplines ranging from nanotechnology to renewable energy. The knowledge acquired during the course will equip you with a variety of skills that allows for adaptation and improvisation in the fast-changing world of technology.

## BEng/MEng (Hons) Electronic and Computer Engineering

KPT/JPS(F3-K056/K057)/(A10467)3/16

This degree is designed for you if you have a particular interest in computers, computing systems and software. Your choice of modules and project work will develop your specialism in these areas, including microelectronics and VLSI (integrated circuit design), advanced software design, computer networks. Studying the electronic and computer engineering course means you will also benefit from our strong research activities in computer vision.

One of the main differences between electronic and computer engineering and the other fields of electrical engineering is the emphasis on object oriented programming languages and on computer systems architecture. This knowledge and skill set will enable you to excel in fields where knowledge of Java and C++ is required such as in multimedia software development. Another area where computer engineers are required is in digital networking and communications.

### Year 1

#### Modules

- Introduction to Electronic Engineering
- Introduction to Circuits and Fields
- Laboratory and Presentation Skills
- Introduction to Communications Engineering
- Introduction to Computer Engineering
- Introduction to Electrical Engineering
- Introduction to Real-time Systems
- Engineering Mathematics

### Year 2

#### Modules

- Electronic Construction Project
- Signal Processing and Control Engineering
- Software Engineering Design
- Mathematical Techniques for Electrical and Electronic Engineers
- Professional Skills for Electrical and Electronic Engineers
- Telecommunications
- Electronic Engineering

#### Electronic and Electrical Engineering only:

- Power Supply Electronics
- Electrical Engineering Design Project

#### Electronic and Communications Engineering, and

#### Electronic and Computing Engineering only:

- Computer Communications and Networks
- Electronic Engineering Design Project

### Year 3

#### Individual Project (BEng only)

#### Group Project (MEng only)

#### Optional modules

- Electronic Design
- Solid State Devices
- VLSI Design
- Telecommunication Electronics
- Electrical Machines
- Power Electronic Design
- Energy Conversion for Motor and Generator Drives
- Power Networks
- Control Systems Design\*
- Fields Waves and Antennas\*
- Digital Communications\*
- Digital Video Communication Systems\*
- Microwave Communications\*
- Embedded Computer Hardware\*\*
- Web-based Computing\*\*
- Visual Information Computing\*\*

#### BEng only:

- Entrepreneurship and Business
- Introduction to Business Operations
- Financial Accounting
- Management Studies
- People and Organisations
- Managing the Marketing Mix

#### MEng only:

- Industrial Awareness
- Mathematical Techniques in Partial Differential Equations for Engineers
- Advanced Mathematical Techniques in Ordinary Differential Equations for Engineers
- Mathematics for Engineering Management

### Year 4 (MEng only)

#### Industrial/Research-oriented Project

#### Optional modules

- HDL for Programming Logic
- RF Microelectronics
- Advanced AC Drives
- Advanced Power Conversion
- New Venture Creation
- Advanced Control System Design
- Instrumentation and Measurement
- Digital Signal Processing for Telecommunications, Multimedia and Instrumentation
- Computer Hardware Design\*\*
- Mobile Communications\*
- Entrepreneurship and Business
- Marketing Strategy
- Introduction to Business Operations
- Strategic Management
- Managing the Marketing Mix
- Business Ethics
- New Venture Creation

\*Compulsory for Electronic and Communications Engineering

\*\*Compulsory for Electronic and Computing Engineering

\*Compulsory for MEng programmes

# Mechatronic engineering

## BEng/MEng (Hons) Mechatronic Engineering

KPT/JPS(F3-K058)/(A10459)3/16

Mechatronic engineers explore and utilise new technologies in automation and robotics to allow tasks in hazardous environments or precise positioning to be accomplished for the benefits of health, safety, society and economy. There has been a growing interest and demand in industry for professional mechatronic engineers in recent years, and the principal aim of the programme is to equip you to work at a professional level in related industries.

You will develop practical knowledge and skills to examine and programme basic mechatronic integrated systems with practical experiments in instrumentation, and measurement and control of hydraulic, pneumatic and electric systems. You will also be introduced to practical concepts in robotics. Studying the MEng enables you to conduct a group project to actually develop mechatronic products.

### Year 1

#### Modules

- Introduction to Electronic Engineering
- Design and Manufacture 1
- Mechanical Systems
- Laboratory and Presentation Skills
- Introduction to Circuits
- Introduction to Computer Engineering
- Mechanics of Solids
- Engineering Mathematics
- Introduction to Electrical Engineering

### Year 2

#### Modules

- Design and Manufacture 2
- Thermodynamics and Fluid Mechanics
- Mathematical Techniques for Electronic Engineers
- Signal Processing and Control Engineering
- Business Operations
- Electronic Engineering
- Electrical Engineering Design Project

### Year 3

#### Third Year Project

#### Modules

- Control Systems Design
- Instrumentation and Measurement
- Neural Networks
- Robotics, Dynamics and Control
- Mechatronics Laboratory

#### Optional modules

- Electrical Machines
- Risk and Reliability
- Electronic Design
- Energy Conversion for Motor and Generator Drives
- Embedded Computer Hardware
- Visual Information Computing
- Mathematical Techniques in Partial Differential Equations for Engineers
- Advanced Mathematical Techniques in Ordinary Differential Equations for Engineers
- Thermodynamics and Fluids 2
- Mechanics of Solid 2
- Material Models and Modes of Failure
- Rapid Product Development
- Mathematics for Engineering Management
- Introduction to Automotive Technology
- Advanced Dynamics of Machines
- International Business Strategy
- Business Ethics

### Year 4 (MEng)

#### Mechatronics Development Project

#### Optional modules

- Advanced Control System Design
- HDL for Programmable Logic
- Risk and Reliability
- Computer Hardware Design
- Advanced AC Drives
- Digital Signal Processing for Telecommunications, Multimedia and Instrumentation
- Mathematical Techniques in Partial Differential Equations for Engineers
- Advanced Mathematical Techniques in Ordinary Differential Equations for Engineers
- Industrial Awareness
- Thermodynamics and Fluids 2
- Mechanics of Solid 2
- Elements of Noise Investigation
- Integrated Systems Analysis
- Advanced Technology Review
- Rapid Product Development

Entry requirements		English language requirements
<b>A level</b>	BBB, including mathematics and physics, excluding general studies	IELTS: 6.0 (no elements below 5.5) TOEFL (iBT): 79 (no element less than 19) PTE (Academic): 55 (minimum 51)
<b>IB Diploma</b>	30 points, including 5 points in mathematics (HL) and 5 points in physics (HL)	SPM: grade B+
<b>STPM</b>	B+B+B+, including mathematics, physics and chemistry, excluding Pengajian Am	1119 (GCE O Level): grade C GCSE/ IGCSE: grade C
<b>UEC</b>	5 As, including mathematics and physics, 2 Bs in 2 further academic subjects	UEC: grade B3
<b>SAM/AUSMAT/HSC</b>	ATAR (UAI)/TER/ENTER 86 including mathematics, physics and chemistry	IB English A1 or A2 (SL or HL): 4 points IB English B (HL): 4 points IB English B (SL): 5 points
<b>Canadian Pre-U</b>	85% average based on 6 subjects, including mathematics and science subjects	<i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>
<b>Foundation</b>	Successful completion of all modules in the Nottingham Foundation in Engineering programme	

We strongly encourage all interested students to apply. Our students come to us with a diverse range of qualifications and the only way to determine eligibility is by submitting a completed application – please see our 'Entry requirement guidelines' on page 114.

#### Fees:

Malaysian – RM40,240 per year  
Non-Malaysian – RM44,100 per year

#### Mode of study:

BEng – Full-time, 3 years  
MEng – Full-time, 4 years

#### Intake:

September

#### Find out more

Department of Electronic and Electrical Engineering

t: +6 (03) 8924 8000

e: enquiries@nottingham.edu.my (Malaysian) or

international.enquiries@nottingham.edu.my (Non-Malaysian)

w: [www.nottingham.edu.my/engineering/electrical](http://www.nottingham.edu.my/engineering/electrical)

## Other related courses

[BSc \(Hons\) Computer Science \(page 97\)](#)

[BSc \(Hons\) Computer Science with Artificial Intelligence \(page 98\)](#)

[BSc \(Hons\) Computer Science and Management Studies \(page 99\)](#)

[BSc \(Hons\) Software Engineering \(page 100\)](#)

“The course structure is great and is taught by well known academics.”

Omar Minhaj / BEng Mechanical Engineering



Find out more about Omar's experience at [www.nottingham.edu.my/engineering/mechanical/studentexperience](http://www.nottingham.edu.my/engineering/mechanical/studentexperience)



Scan it! To find out how to watch this video on your smartphone see page 53.

Omar is working on the lathe machine in the mechanical workshop.

# Department of Mechanical, Materials and Manufacturing Engineering

The Department of Mechanical, Materials and Manufacturing Engineering is one of the leading departments of its kind in the world, and is ranked fourth in the UK in the latest Research Assessment Exercise (RAE) for the quality of its research.

Our close industry links ensure that our teaching and research have both relevance and meaning, and our mechanical engineering courses offer the same high-quality education and excellent career opportunities as the UK.

## What is mechanical engineering?

Mechanical engineering is a uniquely broad-based profession. Mechanical engineers apply their scientific knowledge to solve problems and design machines that help us to enjoy a better life. In addition to areas traditionally associated with the discipline, such as power generation, automotive, aerospace and manufacturing industries, mechanical engineers also work within interdisciplinary teams solving problems in areas such as nanotechnology, electrical and electronic systems, environmental protection, bioengineering, renewable energy and food industry.

At The University of Nottingham Malaysia Campus we offer the following undergraduate degree programmes within mechanical engineering.

- BEng (Hons) Mechanical Engineering
- MEng (Hons) Mechanical Engineering

## How you are taught

Design is a key integrating element in all years of the course. Real-world engineering, the importance of communication and team-working skills, the need to display entrepreneurship and initiative, and the relevance of appropriate management and business principles are emphasised. Engineering science and engineering design are core disciplines whilst other important areas are mathematics, manufacturing technology, IT, electronics and control. If you are interested in the automotive industry, the MEng degree offers a specialist stream in Automotive Technology in Years 3 and 4.

Project work will form a significant part of your final years. In Year 3, MEng students do a major group project. Up to four students will work as a multidisciplinary team to design, manufacture and develop a product. Starting with the design brief, normally linked to an industry need, the group will devise and evaluate alternative design concepts, undertake the detailed engineering analysis and mechanical design, manufacture a prototype, evaluate its performance, undertake development work to improve it, and assess the financial viability and marketability of the product. All students will do an individual project in their final year.

This is of an experimental, computational or analytical nature and provides a link between academic and professional work. You will be able to choose your individual project topic – most of which are based on real industrial problems.

## Professional accreditation

Our mechanical engineering degree is accredited by the Institution of Mechanical Engineers (IMechE) and Institution for Engineering Designers (IED), which means that our degrees are recognised under the Washington accord and the qualification can be used towards your registration as a Chartered Engineer with the Engineering Council, UK.

## Career prospects

We aim to prepare you for an exciting career, and when you graduate you will be an independent professional highly sought after by employers. As a graduate of one of the best mechanical engineering departments in the world, your Nottingham qualification will give you the freedom to choose from a range of exciting opportunities.

Our graduates commonly hold multiple job offers from some of the world's leading companies in sectors as diverse as oil and gas, power generation, aerospace, automotive, robotics, finance, marine, medicine, agriculture, mining, IT, foundries and biotechnology and many others. They are highly sought after and take up a wide range of roles including designer, maintenance engineers, consultants, project managers, project engineers, computer modellers, manufacturing engineers, quality control managers not to mention the large number of mechanical engineering opportunities.

# Mechanical engineering

## BEng/MEng (Hons) Mechanical Engineering

KPT/JPS(F3-K059/060)/(A10469)3/16

The first two years of the BEng and MEng degree programmes are common, at the end of your second year you can choose to continue for either a three-year BEng degree or four-year MEng degree, provided you exceed the MEng performance benchmark.

Both the BEng or MEng option will provide you with the same core skills but by choosing to study for the MEng you will undertake a more substantial project with greater opportunity for specialisation and experience of research methods. We strongly recommend this MEng route if you wish to pursue an engineering career.

The large range of optional modules in in your third year and, if studying the MEng, fourth year also allows you to follow specific themes and to develop areas of expertise and interest.

### Year 1

#### Modules

- Engineering Mathematics 1
- Mechanics of Solid 1
- Design and Manufacture 1
- Thermodynamics and Fluid Mechanics 1
- Professional Studies
- Engineering Mathematics 2
- Electromechanical Systems 1
- Introduction to Materials and Materials Forming

### Year 2

#### Modules

- Design and Manufacture 2
- Differential Equations and Calculus for Engineers
- Mechanics of Solid 2
- Dynamics
- Management Studies 1
- Thermodynamics and Fluid Mechanics 2
- Computer Programming
- Materials in Design

### Year 3

#### Group Design and Make (MEng only)

#### Individual Project (BEng only)

#### Modules

- Processing of Engineering Alloys
- Computer Modelling Techniques
- Management Studies 2
- Introduction to Automotive Technology

#### Optional modules

- Elements of Noise Investigation
- Material Models and Modes of Failure
- Advanced Metal Forming
- Internal Combustion Engines
- Polymer Engineering
- Environmental Assessment
- International Business Strategy 1
- Strategic Management 1
- Safety Engineering
- Waste and Waste Water Treatment
- Air Pollution Control Technology
- Multiphase Systems
- Sensor and Systems
- Heat Transfer
- Energy Management 2
- Finite Element Analysis
- Rapid Product Development
- Fibre Reinforced Composites
- Energy Technology
- Stress Analysis Technique
- Control Instrumentation
- Strategic Management 2
- Project Management
- Mathematical Techniques in Partial Differential Equations for Engineers
- Advanced Mathematical Techniques in Ordinary Differential Equations for Engineers
- Structural Vibration 2

You may also take up to 20 credits of modules offered by other engineering departments or schools as long as they are approved by your course director.

### Year 4 (MEng)

#### MEng Individual Project

#### Modules

- Advanced Technology Review
- Integrated Systems Analysis

#### Optional modules

- Internal Combustion Engines
- Automotive Vehicle Dynamics
- Automotive Materials
- Entrepreneurship and Business
- Aerodynamics
- Aircraft Propulsion Systems
- Computational Fluid Dynamics
- Lean Manufacturing
- Rapid Product Development
- Advanced Numerical Methods in Engineering
- Conservation and Recycling of Materials

In addition to these optional modules you may also select from the optional modules in Year 3.

Entry requirements		English language requirements
<b>A level</b>	ABB, including mathematics and physics, excluding general studies	IELTS: 6.0 (no elements below 5.5)
<b>IB Diploma</b>	32 points, including 5 points in mathematics (HL) and 5 points in physics (HL)	TOEFL (iBT): 79 (no element less than 19) PTE (Academic): 55 (minimum 51)
<b>STPM</b>	AB+B+, including mathematics and physics, excluding Pengajian Am	SPM: grade B+
<b>UEC</b>	5 As, including mathematics, physics and chemistry, 2 Bs in 2 further academic subjects	1119 (GCE O Level): grade C GCSE/ IGCSE: grade C
<b>SAM/AUSMAT/HSC</b>	ATAR (UAI)/TER/ENTER 90 including mathematics, physics and chemistry	UEC: grade B3
<b>Canadian Pre-U</b>	87% average based on 6 subjects, including mathematics and science subjects	IB English A1 or A2 (SL or HL): 4 points IB English B (HL): 4 points
<b>Foundation</b>	Successful completion of all modules in the Nottingham Foundation in Engineering programme	IB English B (SL): 5 points  <i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>

We strongly encourage all interested students to apply. Our students come to us with a diverse range of qualifications and the only way to determine eligibility is by submitting a completed application – please see our 'Entry requirement guidelines' on page 114.

#### Fees:

Malaysian – RM40,240 per year  
Non-Malaysian – RM44,100 per year

#### Mode of study:

BEng – Full-time, 3 years  
MEng – Full-time, 4 years

#### Intake:

September

#### Find out more

**Department of Mechanical, Materials and Manufacturing Engineering**

t: +6 (03) 8924 8000

e: enquiries@nottingham.edu.my (Malaysian) or international.enquiries@nottingham.edu.my (Non-Malaysian)

w: [www.nottingham.edu.my/engineering/mechanical](http://www.nottingham.edu.my/engineering/mechanical)



# Faculty of Science

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Taking a degree in one of the courses offered by the Faculty of Science at The University of Nottingham Malaysia Campus offers an outstanding investment. Well over 90 % of our graduates gain employment within six months of graduation and our top 12 employers include high-salary international companies like IBM, Intel and Shell. The QS World University Rankings place Nottingham in the world top 25 for reputation with employers. Our teaching staff, study environment and facilities are all of the highest possible standard. Nottingham offers the best of British science education and we look forward to welcoming you as one of our students.

Students in a biosciences laboratory researching the shelf-life of fruit.

# Foundation in Science

KPT/JPS(FNM6)(F3-K084)4/15

The Foundation in Science programme at The University of Nottingham Malaysia Campus is a passport to the undergraduate degrees offered by the Faculty of Science. The modules offered are specifically tailored for direct progression to our undergraduate programmes. With plenty of opportunities to interact with students and staff, you will be given the chance to fully explore the Faculty of Science. This will help support you to identify, and then pursue, a degree in the science field of your choice.

To fully prepare you for your chosen area of study, the Foundation in Science has specialist module pathways in biomedical sciences, biosciences, biotechnology, computer science, geography, psychology and pharmacy, as well as covering topics in mathematics, chemistry, and biology. You will also be given extra support in English language and study skills, so you can progress to the undergraduate level with confidence.

## What is the Foundation in Science?

The foundation programme runs full-time for either three semesters or two semesters. The three semester programme is ideal if you have completed a minimum of 11 years of formal education. The two semester programme is suitable if you have completed at least 12 years of formal education but need to enhance your skills in order to undertake an undergraduate degree.

After you have completed the foundation programme successfully you can then go on to study one of our undergraduate degree programmes.

## How you are taught

You will follow a dedicated pathway through the foundation programme, based on your choice of degree programme – for example, psychology or computer science. Additional optional modules give you the opportunity to study science topics outside of your pathway which can provide complementary pathways into other degrees offered by the Faculty of Science.

## Course structure

Each semester consists of 15 weeks, with 10-12 weeks of teaching and two weeks of examinations. If you study for the three-semester programme, you would take all appropriate modules. If you opt for the two-semester programme you would take the appropriate modules for the first and second semesters.

As well as the compulsory modules, you will also take all modules from your subject pathway, and as up to three elective modules selected from the pathway and additional modules, to complete a full 60 credits per semester.

### First semester:

#### Compulsory modules

- English Language and Study Skills 1
- Information Technology and Design
- Maths for Science 1
- Introduction to Atoms and Bonding
- Cells and Molecules
- Laboratory Practicals in Science

### Second semester:

#### Compulsory

- Study Skills for Science
- Maths for Science 2

#### Biosciences

- Ecology, Energy and the Environment
- Physical Chemistry

#### Computer Science

- Electronic Information – World Wide Web
- Principles of Programming

#### Pharmacy

- Ecology, Energy and the Environment
- Physical Chemistry

#### Psychology

- Introduction to Psychology 1

#### Additional elective module

- Foundations of Management

### Third semester:

#### Compulsory

- Maths for Science 3

#### Biosciences

- Genetics and Living Systems
- Organic Chemistry

#### Computer Science

- Digital Media
- Introduction to C Programming
- Communication Technology

#### Pharmacy

- Genetics and Living Systems
- Organic Chemistry
- Introduction to Pharmacy as a Profession

#### Psychology

- Introduction to Psychology 2

#### Additional elective module

- Business Functions

## Progressing to degree level

On successful completion of the foundation programme, you can choose from the following undergraduate courses depending on your academic performance and interest.

### Biomedical Sciences:

- BSc (Hons) Biomedical Sciences

### Biosciences:

- BSc (Hons) Plant Biotechnology
- BSc (Hons) Biotechnology
- BSc (Hons) Nutrition
- BSc (Hons) Environmental Science

### Computer Science:

- BSc (Hons) Computer Science
- BSc (Hons) Computer Science with Artificial Intelligence
- BSc (Hons) Computer Science and Management Studies
- BSc (Hons) Software Engineering

### Pharmacy:

- BSc (Hons) Pharmaceutical and Health Sciences
- MPharm (Hons) Pharmacy\*

\*Please note, MPharm (Hons) Pharmacy places are limited and subject to higher progression requirements as determined by the School.

### Psychology:

- BSc (Hons) Psychology
- BSc (Hons) Psychology and Cognitive Neuroscience

Entry requirements		English language requirements
<b>3 Semester programme (April and July intakes)</b>		
<b>SPM</b>	A minimum of 5 Bs in academic subjects, including mathematics and one science subject, excluding religious studies, moral studies and languages	IELTS: 6.0 (no elements below 5.5) TOEFL (iBT): 79 (no element below 19) PTE (Academic): 55 (minimum 51) SPM: grade B+
<b>GCSE/IGCSE</b>	A minimum of 5 Bs including mathematics and a science subject excluding religious studies and languages	1119 (GCE O Level): grade C GCSE/IGCSE: grade C
<b>2 Semester Programme (September intake)</b>		UEC: grade B3
<b>A Level</b>	CCC, including mathematics and 2 science subjects, excluding general studies	<i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>
<b>IB Diploma</b>	24 points, including 5 points in mathematics and 4 points in science subjects	
<b>STPM</b>	BBB, including mathematics and 2 science subjects, excluding Pengajian Am	
<b>UEC</b>	A minimum of 5 Bs including mathematics and a science subject, excluding religious studies, moral studies and languages	

We strongly encourage all interested students to apply. Our students come to us with a diverse range of qualifications and the only way to determine eligibility is by submitting a completed application – please see our 'Entry requirement guidelines' on page 114.

### Fees:

Malaysian – RM8,270 per semester  
Non-Malaysian – RM9,370 per semester

### Intakes:

3-semester programme: April and July

2-semester programme: September

### Find out more

#### Faculty of Science

t: +6 (03) 8924 8000

e: enquiries@nottingham.edu.my (Malaysian) or

international.enquiries@nottingham.edu.my (Non-Malaysian)

w: [www.nottingham.edu.my/foundation/science](http://www.nottingham.edu.my/foundation/science)

# School of Biomedical Sciences

The dynamic world of biomedical sciences underpins much of modern healthcare. As illnesses and treatments become more sophisticated, so too does the need for more advanced understanding of the human body and the effects drugs and diseases have on it.

The School of Biomedical Sciences has a reputation for powerful, research-informed teaching. Our innovative course is taught by scientists who have vast experience in their field of expertise, and are therefore able to provide our students with valuable scientific knowledge and practical skills for use in the future.

## What is biomedical sciences?

Biomedical sciences is made up of several key disciplines, providing a thorough grounding in a range of areas, covering pharmacology, physiology, anatomy, biochemistry, and neuroscience. This includes studying the structure of the human body, the chemical processes in living organisms, and the effect of drugs. The course will also incorporate specialised topics of interest such as structure and function of the brain and spinal cord.

At The University of Nottingham Malaysia Campus we offer the following undergraduate degree programme within biomedical sciences.

- BSc (Hons) Biomedical Sciences

## How you are taught

From the outset of the biomedical sciences course, you will be encouraged to develop your intellectual and study skills. In addition to lectures, your skills are developed through the use of problem-based workshops, laboratory classes in which you will gather and interpret data and summarise results, essays and dissertations. You will be assessed through a range of methods including examinations, laboratory reports, dissertation, coursework, oral and poster presentations and project report.

We also offer you plenty of opportunities for academic involvement beyond the official curriculum, including research seminars, talks by visiting academics and professionals, placement opportunities with industries and summer research internships within the School.

## Career prospects

Our biomedical sciences degree is purposely designed to maximise your career options, leading to a wide range of eventual specialisations. It will equip you with skills that enable you to undertake hands-on science careers in medical research and research and development in the laboratories of institutions such as universities, public health services and the pharmaceutical industry. There are also a number of hands-off science career paths, such as scientific journalism, medical information officer and patent advisor. You will also develop abilities across a range of sought after skills and competencies applicable in the non-scientific fields. Highly-transferable skills such as analytical thinking and critical reasoning will allow you to thrive in a wide range of work sectors from IT and finance to retail management.

## Graduate entry into medicine

If you are seeking to pursue medicine you can apply for graduate entry following completion of our biomedical sciences degree, as the scientific knowledge and skills developed during the course are transferrable to the medical programme.

The University of Nottingham Malaysia Campus offers a world class education on a single campus, with a diverse student body.

Student using an accomodometer during an experiment with eye drops.

# Biomedical sciences

## BSc (Hons) Biomedical Sciences

KPT/JPS(BNM2)10/16

During your first year the course will provide you with a broad coverage in biomedical sciences. You will be introduced to key systems and pathways in the human body and relate these to diseases. Your second year will expand on the knowledge established in your first year with a focus on scientific research techniques, including modules providing knowledge of drug usage and their mechanisms of action.

In your final year, specialised modules will present you with current content in, and future directions of, medical and health sciences. You will also have the opportunity to undertake optional modules offered by other schools, and will complete an independent research project. This will develop your laboratory, data handling and critical thinking skills, and provides you with an opportunity to possibly contribute to the pool of medical knowledge.

### Year 1

#### Modules

- Physiology and Pharmacology 1 and 2
- Genetics and Cell Biology
- Molecular Basis of Medicine
- Human Development and Tissue Differentiation
- Microbiology Physiology
- Genetics with Specialist Options
- Introduction to Neuroscience
- Biochemical Skills
- Practical and Professional Skills

### Year 2

#### Modules

- Proteins Structure and Function
- Lab Analysis of Proteins and Enzymes
- Lipid Metabolism and Oxidative Phosphorylation
- Generic Skills
- Principles of Gene Function
- Physiology and Pharmacology 3 and 4
- Medical Pharmacology
- Autonomic Neurophysiology and Neuropharmacology
- Basic Molecular Pharmacology

### Year 3

#### Modules

- Molecular Pharmacology
- Neurobiology of Pain
- Biochemistry of Diseases
- Advanced Biochemistry of Cancer
- Current Topics in Health and Disease

Biomedical sciences is the study of the human body in normal and diseased states. If you're interested in science, especially biology and chemistry, then biomedical sciences is definitely for you. It will maximise your career options and lead to a wide range of eventual specialisations.

Entry requirements		English language requirements
<b>A level</b>	BBB in chemistry and biology excluding general studies and thinking skills	IELTS: 6.5 (no elements below 6.0) TOEFL (iBT): 88 (no elements below 19) PTE (Academic): 62 (minimum 55) SPM: grade A- 1119 (GCE O Level): grade B GCSE/IGCSE: grade C UEC: grade A2 IB English A1 or A2 (SL or HL): 4 points IB English B (HL): 4 points IB English B (SL): 5 points Muet Band 5 may also be considered <i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>
<b>IB Diploma</b>	30 points with specified grades in science subjects. Grades of 5,5,5 in chemistry, biology and another relevant subject	
<b>STPM</b>	B+B+B+ including biology and chemistry excluding Pengajian Am	
<b>UEC</b>	5 As including biology and chemistry, excluding Chinese language	
<b>SAM/AUSMAT/HSC</b>	ATAR (UAI)/TER/ENTER 86 including chemistry and biology	
<b>Canadian Pre-U</b>	85% average based on 6 subjects including chemistry and biology	
<b>Foundation</b>	Successful completion of the Foundation in Science programme, including modules related to biology and chemistry	
<b>SPM/GCSE/IGCSE</b>	In addition to the entry requirements listed above, those who have taken SPM/GCSE/IGCSE must have minimum of grade B in mathematics	

We strongly encourage all interested students to apply. Our students come to us with a diverse range of qualifications and the only way to determine eligibility is by submitting a completed application – please see our 'Entry requirement guidelines' on page 114.

#### Fees:

Malaysian – RM40,240 per year  
Non-Malaysian – RM44,100 per year

#### Mode of study:

Full-time, 3 years

#### Intake:

September

#### Find out more

##### School of Biomedical Sciences

t: +6 (03) 8924 8000

e: [enquiries@nottingham.edu.my](mailto:enquiries@nottingham.edu.my) (Malaysian) or

[international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my) (Non-Malaysian)

w: [www.nottingham.edu.my/biomedicalsciences](http://www.nottingham.edu.my/biomedicalsciences)

#### Other related courses

[BEng/MEng \(Hons\) Chemical Engineering \(page 63\)](#)

[BEng/MEng \(Hons\) Chemical and Environmental Engineering \(page 63\)](#)

[MPharm \(Hons\) Pharmacy \(page 105\)](#)

[BSc \(Hons\) Pharmaceutical and Health Sciences \(page 107\)](#)

“When people talk about scientists, they think of people in a lab. But this course has taught me more than that. It has taught me to think about safety in the lab, presentation skills and writing skills.”

Marissa Aliah Binti Zainal / BSc Plant Biotechnology



Find out more about Marissa's experience at [www.nottingham.edu.my/biosciences/studentexperience](http://www.nottingham.edu.my/biosciences/studentexperience)

Marissa is in the microbiology laboratory streaking for individual bacteria colonies.



Scan it! To find out how to watch this video on your smartphone see page 65.

# School of Biosciences

The School of Biosciences at The University of Nottingham Malaysia Campus enjoys close teaching and research links with the School in the UK. Alongside a commitment to innovative teaching, the School of Biosciences is an internationally-recognised leader in several fields, including plant and food production, food quality and safety, nutrition, and environmental protection. The latest UK Research Assessment Exercise (RAE) confirmed the School's top position in our research areas.

At the Malaysia Campus our portfolio is rapidly expanding with new environmental science programmes and research exploring the use of underutilised plants. Our presence in Malaysia is enabling us to conduct major research projects such as the uses of tropical plants, and we currently have an industrial partnership with Applied Agricultural Resources in which we are researching oil palm.

## What is biosciences?

Rapid advances in technology and knowledge have a daily impact on our lives, from the air we breathe to the food we eat and the environment in which we live. Biosciences at Nottingham encompasses a range of areas as diverse as the environment and its protection; the growth, development and reproduction of plants and animals; the production and preservation of agricultural and food commodities; food manufacture, health, nutrition and safety.

At The University of Nottingham Malaysia Campus we offer the following undergraduate degree programmes within biosciences.

- BSc (Hons) Biotechnology
- BSc (Hons) Plant Biotechnology
- BSc (Hons) Environmental Science
- BSc (Hons) Nutrition

## How you are taught

The course is comprised of taught modules and as part of your studies you will have the opportunity to choose from a range of optional modules in a range of years. This enables you to select topics that are of most interest to you.

Additionally, you will complete a year-long research project during your final year. The research project encourages and develops your critical thinking. You will conduct independent research – including a literature survey using the library with access to e-journals – and undertake data handling, analysis and interpretation. You will carry out your project under the supervision of a research-active member of academic staff, and benefit from the supportive environment we provide.

## Career prospects

Nottingham graduates are widely regarded as being well-trained and of high quality, and are in an excellent position to obtain rewarding, interesting, and well-paying jobs. Graduates from the School of Biosciences are found in senior positions throughout the world in all areas of the biological sciences.

Our graduates are armed with the knowledge and practical skills to go on to successful careers in a variety of fields. With your final-year research project and combination of specialist optional topics offered in your second and third years, you will be encouraged to develop your own individual areas of interest that will provide a better opportunity for you to pursue your career of choice.

Many graduates have chosen to continue their studies and undertake further research training to MSc, MPhil or PhD level at The University of Nottingham or elsewhere.

# Biotechnology

## BSc (Hons) Biotechnology

UNMC(J700)6/15

Biotechnology aims to apply the latest molecular techniques to modern-day problems in industrial and environmental situations. Biotechnologists study plant, animal and microbial sciences, underpinned by biochemistry, genetics, computing and some applied aspects of agriculture, environmental science and food science. Fundamental research in these areas will help to shape the development of the industrial world. Our biotechnology course places particular emphasis on recent advances in animal, plant and microbial technology.

### Career opportunities

The combination of specialist topics you choose in your second and third years will influence the career opportunities available to you. In recent years, many of our graduates have found employment in a range of careers including research workers in industrial and government research organisations; advisors in management, sales and marketing; forensic biologists with law enforcement agencies; science advisors for lawmakers; science journalists and writers; teachers and lecturers in schools and higher learning institutions; and consultants in biotechnology related industries.

### Course structure

You will cover topics including the cloning of organisms, genetic modification of crops, the detection of food pathogens and novel sources of potential pharmaceuticals and nutraceuticals. The course allows a high degree of specialisation in your second and third years. By the end of the course you will have a sound knowledge of fundamental cell and molecular biology and its application to biotechnology, ensuring you are prepared for careers in industrial or academic research or related commerce.

Through your research project you will have developed specialist knowledge in an area of your choice and transferable skills including data analysis and presentation, effective communication and independent study.

### Year 1

#### Modules

- Introductory Biochemistry
- Genetics and Cell Biology
- Whole Organism Biology
- Techniques in Biotechnology
- Genetics with Specialist Options
- Data Transfer, Analysis and Presentation
- Microbial Physiology

#### Optional modules

- Applied Entomology
- Introduction to Nutrition
- Food Hygiene
- Plant Science
- Animal Physiology

### Year 2

#### Modules

- Molecular Pharming
- Biochemistry of Mammalian Development
- Research Project in Biotechnology 1
- Molecular Biology of the Cell
- Molecular Techniques in Biosciences

#### Optional modules

- Principles of Immunology
- Endocrinology and Metabolism
- Resource Capture by Plants: from Cell to Community
- Introductory Plant Pathology
- Soil Science
- The Dynamic Cell
- Plant Responses to Environmental Stress
- Principles of Human Nutrition
- Communicating Biosciences
- Microbial Biotechnology: Genes to Products

### Year 3

#### Full-year Research Project in Biotechnology

#### Optional modules

- Fundamental and Applied Aspects of Plant Genetic Manipulation
- Plant Microbe Interactions
- Molecular Plant Pathology
- Plant Cell Signalling
- The Microflora of Foods
- Applied Bioethics 1: Animals, Biotechnology and Society
- Current Issues in Biotechnology
- Genomics
- Pharmaceuticals and Nutraceuticals from Plants
- The Microflora of Foods
- Applied Bioethics 2: Sustainable Food Production, Biotechnology and the Environment
- Environmental Microbiology

# Plant biotechnology

## BSc (Hons) Plant Biotechnology

KPT/JPS( F3-K025)/(A7339)2/16

Plant biotechnology focuses on plant sciences, molecular biology and biotechnology for the improvement of plants and their products in tropical and temperate environments. In this course, the latest developments and requirements of agro-industry are considered in relation to the exploitation of commercially important plant systems and plant biotechnology. Areas of study include the theory and practical transferable skills of plant genetic improvement, technologies relevant to plant biotechnology, and plant breeding and genome research. The plant biotechnology course is designed to equip you with a range of skills and a knowledge base valued by many employers. You will be encouraged to learn practical aspects of biotechnology and gain working skills through internships and visits to biotechnology companies, research stations, plantations and other relevant institutions.

### Career opportunities

A degree in plant biotechnology will prepare you for a challenging and well-paid career as a research scientist or biotechnologist in private, university or government laboratories and in teaching. There are many different applications, which may involve agriculture, horticulture, food and food-processing, forest products, marine applications, phytoremediation, pharmaceuticals, medical and non-food uses of plants and industrial crops. Graduates may also choose to develop careers in areas as varied as scientific writing, marketing or education.

Specific opportunities for further specialist studies at masters and PhD levels include, for example, plant molecular genetics and plant pathology, which are valuable elements for major economic crops such as rice, oil palm, rubber, cocoa and tropical fruits.

### Course structure

The plant biotechnology programme provides a detailed and comprehensive education in plant biotechnology in which you will learn underlying principles, defining concepts, theories and practical skills, and become familiar with current knowledge and developments in the subject. It also considers fundamental research in areas that offer the prospect of future commercial applications.

### Year 1

#### Modules

- Whole Organism Biology
- Introductory Biochemistry
- Genetics and Cell Biology
- Plant Science
- Techniques in Biotechnology
- Principles of Ecology
- Microbial Physiology
- Genetics with Specialist Options
- Data Transfer, Analysis and Presentation

#### Optional modules

- Applied Entomology
- Application of Biology
- Global Environmental Processes

### Year 2

#### Modules

- Plant Biotechnology
- Molecular Pharming
- Introductory Plant Pathology
- Resource Capture by Plants : from Cell to Community
- Soil Science
- The Dynamic Cell
- Molecular Biology of the Cell
- Molecular Techniques in Biosciences
- Climate Change Science
- Research Project in Plant Biotechnology 1

#### Optional modules

- Communicating Biosciences
- Microbial Biotechnology: Genes to Products
- Essay in Biosciences
- Plant Responses to Environmental Stress

### Year 3

#### Full-year Research Project in Plant Biotechnology

#### Optional modules

- Fundamental and Applied Aspects of Plant Genetic Manipulation
- Plant Microbe Interactions
- Molecular Plant Pathology
- Plant Cell Signalling
- Plants and the Light Environment
- Current Issues in Plant Biotechnology
- Genomics
- Plant Disease Control
- Sex, Flowers and Biotechnology
- Environmental Microbiology

# Environmental science

## BSc (Hons) Environmental Science

KPT/JPS(F900)5/16

Knowledge of environmental science is important in understanding the effects of human actions on the environment and the effective environmental limits on societies and economies. It is also increasingly important as a guide to better management.

This course develops a fundamental scientific understanding of environmental and ecological processes and systems, such as how factors like pollution of the air, soil or water affect life. Such knowledge is fundamental to an enormous range of environmental issues on a global scale.

### Career opportunities

University of Nottingham environmental science graduates are working in environmentally-related fields all over the world. Graduates find they have the skills and confidence to equip them for employment in environmental consultancies, conservation and research agencies, local authorities, government agencies, universities and industry. Many graduates go on to undertake postgraduate research degrees in environmentally-related areas.

### Course structure

In addition to key principles, theories and current knowledge in environmental science, the modules offered will allow you to develop skills in the collection, processing and analysis of environmental data, and in scientific analysis and communication for the development and evaluation of policy. You will also undertake practical training in the techniques of environmental management.

Exposure to a wide range of perspectives on environmental processes and issues can play an important part in your academic development and career prospects. As a result we have designed the course to enable you to study modules contributed by other Schools, including the School of Geography, in addition to those within the School of Biosciences.

### Year 1

#### Modules

- Global Environmental Processes
- Dissertation in Environmental Science
- Plant Science
- Principles of Ecology
- Environmental Management
- Environmental Science and Society
- Applied Entomology
- Data Transfer, Analysis and Presentation
- Introductory Geology
- Introduction to GIS

### Year 2

#### Modules

- Research Techniques in Environmental Science
- Soil Science
- Climate Change Science
- Environmental Science Field Course
- Communicating Environmental Science
- Hydrogeochemistry

#### Optional modules

- Hydrology and Hydrogeology
- Environmental Assessment
- Resource Capture by Plants: from Cell to Community
- Plant Responses to Environmental Stress
- Patterns of Life
- Environmental Management
- Earth Observation

### Year 3

#### Full-year Research Project in Environmental Science

#### Optional modules

- Plant Microbe Interactions
- Plants and the Light Environment
- Soil and Water Science
- Contaminant Fate and Impact in the Environment
- Waste and Waste Water Treatment
- Environmental Remote Sensing
- Environmental Microbiology
- Water Pollution and Reclamation
- Ecosystem Processes in the Terrestrial Biosphere
- Resource Capture by Plants: Water and Nutrients
- Energy Efficiency for Sustainability
- Plant Disease Control
- Food Production: Biotechnology and the Environment

# Nutrition

## BSc (Hons) Nutrition

UNMC(B400)6/15

What we eat, and how much we eat, has a profound effect on our health. While much of the world is still concerned with consuming sufficient energy and essential nutrients to survive, many 'industrialised' countries are suffering ill health due to over-consumption of inappropriate foods. Chronic diseases, such as heart disease, cancer, obesity and diabetes, and ageing itself are all influenced by the diet we consume.

Nutrition is the science that bridges the gap between basic understanding of metabolism and disease processes. Controversies and misunderstandings can only be avoided and resolved if well-trained nutritionists are available to inform, explain and develop the subject. Our aim is to produce nutritionists with a strong scientific background and a firm grasp of modern nutritional science and its application in communities nationally and internationally. Nutrition is studied alongside biochemistry and physiology, food science, food safety and food production, which will give you a unique opportunity to gain insights into related fields in agriculture and the food industry.

### Professional accreditation

The BSc (Hons) Nutrition course is fully accredited by the Malaysian Qualifications Agency (MQA) and is approved and endorsed by the British Nutrition Society.

### Career opportunities

A degree in nutrition can lead to a number of career choices. Graduates have gone on to practise nutrition within the food industry, specialist nutritional supplement companies, public health nutrition, education and journalism. The science base of this degree is a good springboard for higher degrees including MPhil and PhD.

### Course structure

In your first year, you will be introduced to the basic principles of nutrition and metabolism through a core programme of modules. Specialist topics in nutrition and food hygiene will introduce you to the relationship between diet and health. In your second year a higher level of understanding of metabolism is used to explore the role of nutrition in relation to diabetes, obesity and coronary heart disease. You will also cover the fundamental principles of nutrition, such as the dietary requirements of nutrients, and gain a valuable insight into the food production industry.

Your third year focuses on human nutrition with an emphasis across the lifespan and public health nutrition, as well as aspects including nutrition and health of populations and international nutrition. Over the whole of your final year you will undertake a research project.

### Year 1

#### Modules

- Introduction to Nutrition
- Introductory Biochemistry
- Whole Organism Biology
- Genetics and Cell Biology
- Food Hygiene
- Data Transfer, Analysis and Presentation
- Introduction to Animal Physiology

#### Optional modules

- Introduction to Social Psychology
- Food Materials and Ingredients
- Introduction to Developmental Psychology
- Microbial Physiology

### Year 2

#### Modules

- Nutrition, Metabolism and Disease
- Mammalian Biochemistry 1: Development
- Principles of Immunology
- Endocrinology and Metabolism
- Principles of Human Nutrition
- Research Project in Nutrition and Biochemistry 1

#### Optional modules

- Food Commodities
- Practical Methods in Microbiology
- Food and Catering
- Communicating Biosciences
- Food Safety
- Molecular Techniques in Biosciences

### Year 3

#### Full-year Research Project in Nutrition and Biochemistry

#### Modules

- Nutrition and Health of Populations
- Research Project in Nutrition and Biochemistry
- Molecular Nutrition

#### Optional modules

- Health Promotion
- Essays in Biosciences
- International Nutrition

Entry requirements		English language requirements
<b>A level</b>	BBC, including 2 science subjects, preferably biology and chemistry. Other science subjects, such as mathematics, physics or geography are accepted	IELTS: 6.0 (with no elements below 5.5) TOEFL (iBT): 79 (with no elements below 19) PTE (Academic): 55 (minimum 51) SPM: grade B+
<b>IB Diploma</b>	28 points, with specified grades in science subjects	1119 (GCE O Level): grade C GCSE/IGCSE: grade C
<b>STPM</b>	B+B+B or grade points of 3.33 in at least 2 science subjects and 3.00 in one other science subject	UEC: grade B3 IB English A1 or A2 (SL or HL): 4 points
<b>UEC</b>	4 As, including chemistry and biology, excluding Chinese language	IB English B (HL): 4 points IB English B (SL): 5 points
<b>SAM/AUSMAT/HSC</b>	ATAR (UAI)/TER/ENTER 82	Muet Band 5 may also be considered
<b>Canadian Pre-U</b>	80% average based on 6 subjects	<i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>
<b>Foundation</b>	Successful completion of the Foundation in Science programme. Those studying biotechnology and plant biotechnology must pass all biotechnology modules	
<b>SPM/GCSE/IGCSE</b>	In addition to the entry requirements listed above, those who have taken SPM/GCSE/IGCSE must have Grade B in mathematics	

We strongly encourage all interested students to apply. Our students come to us with a diverse range of qualifications and the only way to determine eligibility is by submitting a completed application – please see our 'Entry requirement guidelines' on page 114.

**Fees:**  
Malaysian – RM40,240 per year  
Non-Malaysian – RM44,100 per year

**Mode of study:**  
Full-time, 3 years

**Intake:**  
September

**Find out more**  
**School of Biosciences**  
t: +6 (03) 8924 8000  
e: [enquiries@nottingham.edu.my](mailto:enquiries@nottingham.edu.my) (Malaysian) or  
[international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my) (Non-Malaysian)  
w: [www.nottingham.edu.my/biosciences](http://www.nottingham.edu.my/biosciences)



Student in a biosciences laboratory researching how to preserve fruit for longer.



**“The teaching at UNMC is fantastic. It provides you with an opportunity to get to know a diverse range of people from all over the world on one campus.”**

**Lim Suang Fu / BSc Computer Science and Management Studies**



Find out more about Lim Suang Fu's experience at  
[www.nottingham.edu.my/computerscience/studentexperience](http://www.nottingham.edu.my/computerscience/studentexperience)

Suang Fu focuses on his latest assignment within a computer lab at the Malaysia Campus.



Scan it! To find out how to watch this video on your smartphone see page 65.

# School of Computer Science

Computer science is intimately concerned with knowing – in detail – how computers and computer systems work. Building on that knowledge helps us understand how we can create computer systems and program them to do what we want them to do. It is also about the way computers store and process information and how humans and computers interact with each other.

The School of Computer Science undertakes world-class research which feeds directly into undergraduate teaching via an exciting range of optional modules and research-related project work. Teaching staff at the Malaysia Campus consists of both local and international academics. Their interests cover all aspects of computer science, and they are all actively engaged with undergraduate teaching. Our degrees in computer science and software engineering produce highly employable graduates and provide the basis for rewarding and lucrative careers.

## What is computer science?

It is hard to think of an area of human endeavour in which computers don't now play an integral role. They are in our phones, our cars, our televisions. They help doctors to monitor our health, artists to create visual images and special effects in movies, and are a standard tool for musicians. Computing professionals are the architects of this new information age. They look at engineering issues to build tools that help us create large-scale software systems. Computer scientists also consider philosophical issues about what can or can't be computed, and ask profound questions about the fundamental nature of the 'computation' process.

At The University of Nottingham Malaysia Campus we offer the following undergraduate degree programmes within computer science.

- BSc (Hons) Computer Science
- BSc (Hons) Computer Science with Artificial Intelligence
- BSc (Hons) Computer Science and Management Studies
- BSc (Hons) Software Engineering

## How you are taught

Each year of your degree will be divided into two semesters, with exams at the end of each semester. For each module you will typically have two or three lectures per week. On many modules you will also have associated lab sessions and tutorials to offer support and give you the chance to practice what is taught in the lectures. The courses make use of modern approaches to teaching, including e-learning and social media. A computer science degree from The University of Nottingham will leave you well placed to understand how to program today's computers and also how to design and implement the systems of the future – whether they are a traditional computer system, a smart-phone, a tablet device or something completely new.

## Course structure

Our single honours degrees have a common first year, allowing you to easily move between our degrees at the end of Year 1. The first year of the computer science and software engineering degree consists of modules that develop your understanding of six major themes: operating systems and architecture, programming, mathematical foundations, software engineering, net-centric computing, intelligent systems and human-computer interaction. On the first year of our joint honours course in computer science and management you will study a subset of the computer science modules as well as key modules provided by the Nottingham University Business School.

The second year of your degree revolves around a year-long software engineering group project. You will cover a relevant area designed to simulate what it is like to work on a real software project. You will also undertake more advanced study of core computer science (including programming, networks, data structures, logic and concurrency) and further specialist modules, as well as topics from a selection of optional module.

Your third year will be centred around an individual project. You will have an assigned supervisor and are able to propose your own project, allowing you to specialise in an area of particular interest to you. Your third-year studies are also composed of high-level optional modules available within the School of Computer Science, and one or two modules from other schools.

## Career prospects

While many computer science graduates do become programmers, others are employed in a wide variety of jobs. These include computer analysts, IT consultants and planners, network/systems designers and engineers, researchers, software designers and engineers, web designers, web developers and producers as well as roles across advertising and marketing, business and financial analysis, accountancy and investment/merchant banking and legal and quality assurance professions. Some of our graduates have gone on to work for traditional computer companies such as Adobe, Google, Hewlett-Packard, IBM and Microsoft. Others have found jobs with employers such as Accenture, Experian, and Ocado.

New computer science graduates frequently command some of the highest-paid entry-level positions compared to graduates in other disciplines. Many of our graduates continue to further studies in subjects such as machine learning, e-commerce, information security and psychology. The School has a good record for recruiting PhD students from our own graduates and our MSc degrees prove an attractive option.

# Computer science

## BSc (Hons) Computer Science

KPT/JPS(F3-K033)/(A10433)2/16

Our BSc Computer Science degree forms the core of our teaching portfolio. It focuses upon how computers work, and how they may be used to solve real-world problems. You will develop a sound knowledge of the fundamentals of computer science, including appreciations of the interaction between hardware and software; and understanding of human-computer interaction and the sociological impact of information technology; and knowledge of the professional standards and ethics of the computer industry, together with the skills and confidence to react to its ever-increasing rate of change.

The course is designed to produce high-quality graduates who command a sound technical knowledge of the broad aspects of computer science. You will gain an appreciation of current computing practice so that you can apply the skills you have learned immediately after graduation, whether during further studies or employment. The course also provides an understanding of the nature of computer science as an academic discipline.

### Professional accreditation

Our BSc in Computer Science is accredited by the British Computer Society (BCS). This is an external recognition of the excellence of our teaching, and it is also a recognition that the skills that you learn while studying the degree are of relevance to industry. Graduates from this degree may join the BCS, and with typically five years of industry experience, graduates may achieve UK chartered engineer (CEng) status.

### Year 1

#### Modules

- Computer Systems Architecture
- Mathematics for Computer Scientists
- Skills for Communicating Information
- Programming
- Algorithmic Problem Solving
- Functional Programming
- Database Systems
- Foundations of Software Engineering
- Object-oriented Programming
- Introduction to Artificial Intelligence

#### Optional modules

- Unix and Software Tools
- Engineering Mathematics 1
- Web Programming and Scripting
- People and Organisations

### Year 2

#### Software Engineering Group Project

#### Modules

- Software Engineering Methodologies
- Algorithms and Data Structures
- Introduction to Formal Reasoning
- Application Programming
- Computer Communications and Networks
- Concepts of Concurrency
- Machines and their Languages

#### Optional modules

- Graphical User Interfaces
- Planning and Search
- Introduction to Image Processing
- C/C++ for Java Programmers
- Human Computer Interaction

### Year 3

#### Individual Dissertation

#### Modules

- Operating Systems

#### Optional modules

- Enterprise Level Computing
- Computer Vision
- Systems and Real-time Programming
- Advanced Computer Communications
- Graphical User Interfaces
- Planning and Search
- Computer Security
- New Media Design
- Decision Support Methodologies
- Human Computer Interaction
- C/C++ for Java Programmers
- Introduction to Image Processing

# Computer science with artificial intelligence

## BSc (Hons) Computer Science with Artificial Intelligence

KPT/JPS(G4G7)5/16

Our computer science with artificial intelligence course is designed to develop both your general understanding of computer science and more specialist skills and knowledge in artificial intelligence (AI).

In addition to fundamental computer science classes and laboratories, the course covers topics including expert systems, intelligent agents, the history and philosophy of artificial intelligence, machine learning, computer vision, neural networks, heuristic optimisation and other intelligent systems. By following this programme you will learn how to develop new methodologies and novel computational techniques for the creation of human-like intelligence.

This course consists of spending your final year in the UK where you will study advanced AI techniques with specialist staff. For the first two years of this three-year degree you will be taught at the Malaysia Campus. You will then transfer to The University of Nottingham in the UK for the final year of your studies where you will be able to take a variety of specialist courses that are supported by the world-leading research that is undertaken within the school.

### Professional accreditation

Our BSc in Computer Science with Artificial Intelligence is accredited by the British Computer Society (BCS). This is an external recognition of the excellence of our teaching, and it is also a recognition that the skills that you learn while studying the degree are of relevance to industry. Graduates from this degree may join the BCS, and with typically five years of industry experience, graduates may achieve UK chartered engineer (CEng) status.

### Year 1

#### Modules

- Computer Systems Architecture
- Mathematics for Computer Science
- Requirements Engineering
- Programming
- Algorithmic Problem Solving
- Functional Programming
- Database Systems
- Foundations of Software Engineering
- Object-oriented Programming
- Introduction to Artificial Intelligence

#### Optional modules

- Unix and Software Tools
- Engineering Mathematics 1
- Web Programming and Scripting
- People and Organisations

### Year 2

#### Modules

- Software Engineering and Methodologies
- Algorithms and Data Structure
- Planning and Search
- Application Programming
- AI Programming Techniques
- Concepts of Currency

#### Optional modules

- Graphical User Interfaces
- Introduction to Image Processing
- Introduction to Formal Reasoning
- Machines and their Languages
- C++ Programming
- Human Computer Interaction
- Computer Communications and Networks
- Engineering Mathematics 1

### Year 3

You will complete your third year at The University of Nottingham in the UK.

#### Typical modules include:

- Knowledge Representation and Reasoning
- Machine Learning
- Designing Intelligent Agents

#### Individual Dissertation

# Computer science and management studies

## BSc (Hons) Computer Science and Management Studies

KPT/JPS(GN42)3/15

The BSc Computer Science and Management Studies degree offers an equal balance of computer science and management modules. The core modules you will study in each year are a subset of the core modules for the respective single honours degrees. Your management modules are taught by experts within the Nottingham University Business School, making this course ideal if you wish to combine computer science with business studies.

The primary objective of the course is to enable you to become a high-quality graduate equipped to bridge the gap between leading-edge computer technology and its application in the management of commercial and industrial enterprises. Throughout the course you will develop the skills required by computing professionals and managers alike. These include project management skills; the ability to schedule work, plan exercises, take part in and run meetings; teamworking and delegation skills; and the ability to combine the skills of specialists. In the final year, you will typically undertake an individual project, along with other taught modules across both schools.

### Year 1

#### Modules

- Mathematics for Computer Scientists
- Computer Systems Architecture
- Programming
- Business Economics
- Entrepreneurship and Business
- Business Economics
- Foundations of Software Engineering
- Object-oriented Programming
- Database Systems
- People and Organisations

#### Optional modules

- Financial Accounting
- Studying Organisations
- Economy and Society
- New Venture Creation
- Quantitative Methods
- Management Accounting and Decisions 1

#### Optional business modules

### Year 2

#### Modules

- Software Engineering Methodologies
- Algorithms and Data Structures
- Designing and Managing Organisations
- Business Economics B
- Application Programming
- Economics of Business Decisions
- Organising and Managing in Practice

#### Optional modules

- Marketing Strategy
- Introduction to Business Operations
- Managing the Marketing Mix
- Accounting Information Systems
- Computer Communications and Networks
- Concepts of Concurrency
- C/C++ for Java Programmers
- Introduction to Image Processing
- Introduction to Artificial Intelligence

### Year 3

#### Modules

- Strategic Management 1
- Human Resource Management 1

#### Optional modules

- Enterprise Level Computing
- Computer Vision
- Systems and Real-time Programming
- Graphical User Interfaces
- Planning and Search
- Advanced Computer Communications
- International Business Strategy 1
- Asian Business Environment
- Advertising and Marketing Communication

### Year 3

#### Individual Dissertation

#### Modules

- Strategic Management 2
- Human Resource Management 2

#### Optional modules

- Decision Support Methodologies
- Computer Security
- New Media Design
- Operating Systems
- Human Computer Interaction
- Managing the Marketing Mix
- International Business Strategy 2
- Marketing Services

# Software engineering

## BSc (Hons) Software Engineering

KPT/JPS(G601)5/16

The software engineering degree is practically-oriented, and focuses on the design and implementation of large software systems – particularly those with interactive or multimedia components. It is built around four themes: the design and implementation of software systems; the use and development of networked and distributed systems; user interface principles; and evaluation and testing.

You will graduate with: general knowledge and understanding of computer and software systems; specialised knowledge of the design, implementation, user interfaces, and evaluation of software systems; experience in using a variety of problems encountered in the area of software engineering; and an understanding of the professional, legal and ethical aspects of the discipline.

Our BSc Software Engineering degree has common modules with our computer science degree, but is tailored to focus more on the design and implementation of large software systems. If you enjoy building things, and want to learn to construct software systems – and that includes considering people as well as machines – then this course would be a good option.

### Year 1

#### Modules

- Computer Systems Architecture
- Mathematics for Computer Scientists
- Programming
- Algorithmic Problem Solving
- Requirements Engineering
- Functional Programming
- Database Systems
- Introduction to Artificial Intelligence
- Object-oriented Programming

#### Optional modules

- Engineering Mathematics 1
- Unix and Software Tools
- Web Programming and Scripting

### Year 2

#### Software Engineering Group Project

#### Modules

- Algorithms and Data Structures
- Graphical User Interfaces
- Software Engineering Methodologies
- Application Programming
- Computer Communications and Networks
- Concepts of Concurrency

#### Optional modules

- Introduction to Formal Reasoning
- Planning and Search
- C/C++ Programming
- Machines and their Languages
- Human Computer Interaction
- Introduction to Image Processing
- AI Programming Techniques

### Year 3

#### Individual Dissertation

#### Modules

- Systems and Real-time Programming
- Enterprise Level Computing
- Quality Assurance and Testing

#### Optional modules

- Computer Vision
- Advanced Computer Communications
- Operating Systems
- Computer Security
- Decision Support Methodologies
- New Media Design
- Games
- Ubiquitous Computing
- Mobile Device Programming
- Parallel and Distributed Computing

# Pre-university Programme

The School of Computer Science runs an additional pre-university programme (PUP) for local students in Malaysia who have already applied to one of our four undergraduate computing courses.

### Why study the PUP?

The PUP is designed to enable students who finish their school studies in December to develop a range of additional work and academic experience in advance of starting their computing degree programme with us the following September. It will enable you to make the most of the period before you start your degree, having a positive affect on your ability to prosper during your undergraduate studies and enabling you to acquire valuable work experience.

### What does the PUP involve?

The programme consists of 12 weeks of education and work experience from February to May, preceding normal first-year entry in September. Each week you will spend four days doing work experience. You will be placed as an intern undertaking office work either in local companies, charities or the University itself. This will provide you with invaluable experience and help foster self-discipline and independence. The remaining day of each week will consist of taught lectures, lab practicals and demonstrations. These will help to develop a wide range of IT and transferable skills.

### Additional information

You must meet the standard entry requirements for computing undergraduate courses. We are unable to provide accommodation during the PUP period.

### Fees

Fees – RM 1,500 (for the entire 12-week programme)

Entry requirements		English language requirements
<b>A level</b>	BCC, including a science subject (mathematics, computing, physics, chemistry, economics or statistics) If you don't have any of these listed science subjects we then require a grade B in GCE mathematics	IELTS: 6.0 ( no elements below 5.5) TOEFL (iBT): 79 (no elements below 19) PTE (Academic): 62 (minimum 55)
<b>IB Diploma</b>	26 points, including 5 points in mathematics (SL)	SPM: grade B+
<b>STPM</b>	B+BB, including mathematics, excluding Pengajian Am	1119 (GCE O Level): grade C
<b>UEC</b>	4 As, including mathematics and grade B in 2 other academic subjects, excluding Chinese language	GCSE/IGCSE: grade C UEC: grade B3
<b>SAM/AUSMAT/HSC</b>	ATAR (UAI)/TER/ENTER 78	IB English A1 or A2 (SL or HL): 4 points
<b>Canadian Pre-U</b>	75% average based on 6 subjects, including mathematics	IB English B (HL): 4 point IB English B (SL): 5 points
<b>Foundation</b>	Successful completion of the Foundation in Science programme including all computer science modules	<i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>

We strongly encourage all interested students to apply. Our students come to us with a diverse range of qualifications and the only way to determine eligibility is by submitting a completed application – please see our 'Entry requirement guidelines' on page 114.

### Fees:

Malaysian – RM34,730 per year  
Non-Malaysian – RM38,590 per year

### Mode of study:

Full-time, 3 years

### Intake:

September

### Find out more

#### School of Computer Science

t: +6 (03) 8924 8000

e: [enquiries@nottingham.edu.my](mailto:enquiries@nottingham.edu.my) (Malaysian) or  
[international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my) (Non-Malaysian)

w: [www.nottingham.edu.my/computerscience](http://www.nottingham.edu.my/computerscience)

### Other related courses

[BEng/MEng \(Hons\) Electronic and Computer Engineering \(page 71\)](#)



Green spaces offer relaxed areas to study within faculty buildings.

“Pharmacy at The University of Nottingham was rated first in the latest Research Assessment Exercise which is why I chose to study here. The most important thing I’ve learnt is about counselling sessions and dispensing.”

Lim Sui Lun / MPharm (Hons) Pharmacy



Find out more about Lim Sui Lun’s experience at [www.nottingham.edu.my/pharmacy/studentexperience](http://www.nottingham.edu.my/pharmacy/studentexperience)

Sui Lun at work in a pharmacy lab.



Scan it! To find out how to watch this video on your smartphone see page 65.

# School of Pharmacy

Established in 1925, the School of Pharmacy is at the forefront of academic development and progress. Our teaching staff are at the leading edge of scientific and healthcare developments and we have a long and distinguished research history.

We were rated as top in the UK for research in the latest Research Assessment Exercise and are consistently ranked as the UK’s top pharmacy school. The Good University Guide has rated us as the UK’s top School of Pharmacy for four consecutive years (2010-2013). Our pharmacy degree was the first programme in Malaysia to hold full accreditation by the Royal Pharmaceutical Society of Great Britain/General Pharmaceutical Council (UK).

Our research-active staff include academics from Nottingham’s UK Campus and institutions and governmental organisations from within the UK, Malaysia and across the globe. Their collective expertise spans areas such as natural product chemistry, computational chemistry, drug delivery, clinical pharmacy and pharmacy practice. This strongly informs our teaching and enables lecture materials to be drawn from the forefront of science.

All students are strongly encouraged to take advantage of one of the many vacation work experience placements we secure each year. Practising community, hospital and industrial pharmacists contribute to teaching at both campuses and visiting pharmacy and biomedical sciences academics from the UK Campus also deliver lectures, workshops and practical classes. This will provide you with an invaluable insight into the profession of pharmacy.

At The University of Nottingham Malaysia Campus we offer the following undergraduate degree programmes within the School of Pharmacy.

- MPharm (Hons) Pharmacy
- BSc (Hons) Pharmaceutical and Health Sciences

## What is Pharmacy?

Pharmacists are experts in medicines and drug therapy. It is a professional role requiring in-depth knowledge from a broad range of chemical, biological and professional disciplines. Pharmacy requires a range of skills and knowledge from disease-causing micro-organisms, synthesis and manufacture of drugs, and actions of drugs in the body, to professional aspects such as dispensing and ethics.

## How you are taught

You will experience an integrated range of teaching and learning styles – from traditional lectures and tutorials to practical classes and workshops. Our courses develop a range of transferable skills, with the ability to work to the highest professional and ethical standards. A supportive environment is essential for your development and you will be allocated a personal tutor to help with personal and academic issues. We also have a Learning Community Forum that provides an opportunity for you to discuss course-related issues with academic staff.

## Career prospects

Our Masters of Pharmacy programme is your passport to a pharmacy career in many countries around the world. Graduates of the MPharm can presently be found working as community and hospital pharmacists in the UK, Malaysia and Singapore. Those pursuing a career as an industrial pharmacist may work in drug discovery and development, clinical trials, quality assurance, regulatory affairs, product registration, and marketing. MPharm graduates may also pursue careers in academia or as medical journalists or scientific writers.

Pharmaceutical scientists are central to the discovery and development of new drug entities, formulation science and the design of novel drug delivery systems and therapeutics. Our BSc in Pharmaceutical and Health Sciences puts you in an ideal position to pursue a career in Malaysia’s burgeoning RM1.4 billion pharmaceutical industry. Graduates can embark on a range of careers including: research managers in the pharmaceutical, cosmetic, chemical or biotechnology industries; academics in institutions of higher education; medical sales and marketing; scientific writing, and other appointments which require a general science background.

# Pharmacy

## MPharm (Hons) Pharmacy

KPT/JPS(B230)3/15

The Master of Pharmacy (MPharm) is a four-year programme that provides you with a unique opportunity of studying in Malaysia and the UK. The programme puts you on the right track for a successful pharmacy career. After finishing your degree, you will spend a salaried year in pharmacy practice (known as pre-registration training) before sitting the accrediting body's registration exam.

The first two years of the modular pharmacy course will be taught at the Malaysia Campus and will involve the development of core pharmacy skills and knowledge. You will then transfer to the UK for the final two years of study. During this time you will continue your studies in pharmaceutical sciences and learn more about the clinical and legal aspects of the pharmacy profession. You therefore have an unrivalled opportunity of learning and experiencing UK aspects of clinical pharmacy prior to practice. In your third year you will have the opportunity to be involved in pharmaceutical research by working under the supervision of a member of the academic staff.

### Year 1

#### Modules

- Being a Pharmacist
- Essential Skills for Pharmacists
- Dyspepsia
- Bacterial and Fungal Infections
- Professional Competencies 1

### Year 2

#### Modules

- Gastrointestinal and Liver Disorders
- Asthma, Allergies and Immune Diseases
- Cardiovascular
- Renal and Endocrine Diseases
- Sexual Health and Pregnancy
- Pain
- Professional Competencies 2

### Year 3

#### Modules

- Viral and Parasitic Infections
- Central Nervous System Disorders
- Cancers
- Professional Competencies 3

#### Research Project – 40 or 60 credit options

Optional modules from within and outside of the School of Pharmacy may be selected if you undertake the 40-credit project option.

### Year 4

#### Modules

- Integrated Pharmaceutical and Patient Care 1
- Advanced Drug Discovery
- Integrated Pharmaceutical and Patient Care 2
- Future Medicines
- Managing the Pharmacy
- Professional Competencies 4

Prospective students can be certain that by joining the School of Pharmacy they will be putting themselves firmly on the right pathway to a successful career in pharmacy or the pharmaceutical health sciences.

Entry requirements (Interview required)		English language requirements
<b>A level</b>	AAB/ABB in chemistry and 2 other subjects, 1 of which must be a science subject such as biology or physics or mathematics, excluding general studies and thinking skills	IELTS: 6.5 (no elements below 6.0) TOEFL (iBT): 88 (no elements below 19)
<b>IB Diploma</b>	32-34 points with grades of 6,6,5 at HL including chemistry plus 1 subject from biology, mathematics or physics in HL, and 3 other subjects in SL. Mathematics with further mathematics counts as 1 HL and 1 SL subject	PTE (Academic): 62 (minimum 55) SPM: grade A+/A
<b>STPM</b>	AAB+/AB+B+ in chemistry and 2 other science subjects or mathematics, excluding Pengajian Am	GCSE/IGCSE: grade C
<b>UEC</b>	5 As, including chemistry and mathematics, excluding Chinese language	UEC: grade A2
<b>SAM/AU SMAT/HSC</b>	ATAR (UAI)/TER/ENTER 90, including chemistry and mathematics	IB English A1 or A2 (SL or HL): 4 points
<b>Canadian Pre-U</b>	87% average based on 6 subjects. Chemistry must be above 85%	IB English B (HL): 4 points IB English B (SL): 5 points
<b>Foundation</b>	Average pass mark of 65% and above in the Foundation in Science programme, with a minimum of 60% in all chemistry modules	Muet Band 5 may also be considered
<b>SPM/GCSE/IGCSE</b>	In addition to the entry requirements listed above, those who have taken SPM/GCSE/IGCSE must have grade A in mathematics	<i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>

Other equivalent qualifications will be considered on a case-by-case basis.

#### Fees:

Malaysian – RM44,615 per year  
Non-Malaysian – RM48,565 per year  
\*GBP 16,510 per year (years 3 and 4)

#### Mode of study:

Full-time, 4 years (2 years in Malaysia + 2 years in the UK)

#### Intake:

September

#### Code of Conduct/Fitness to Practise

All students on MPharm courses fully accredited by the UK General Pharmaceutical Council are required to abide by a code of conduct and are subject to fitness to practise regulations. Appropriate health and good character checks will be required when you join us as a student. More information will be sent to you when you are made an offer.

#### Find out more

##### School of Pharmacy

t: +6 (03) 8924 8000

e: [enquiries@nottingham.edu.my](mailto:enquiries@nottingham.edu.my) (Malaysian) or

[international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my) (Non-Malaysian)

w: [www.nottingham.edu.my/pharmacy](http://www.nottingham.edu.my/pharmacy)

#### Other related courses

[BSc \(Hons\) Pharmaceutical and Health Sciences \(page 107\)](#)

[BSc \(Hons\) Biomedical Sciences \(page 85\)](#)

[BEng/MEng \(Hons\) Chemical Engineering \(page 63\)](#)

[BEng/MEng \(Hons\) Chemical and Environmental Engineering \(page 63\)](#)

# Pharmaceutical and Health Sciences

## BSc (Hons) Pharmaceutical and Health Sciences

UNMC(BNM1)8/15

The BSc programme is distinct from the MPharm degree. You will study core modules delivered by the School of Pharmacy and the School of Biomedical Sciences, as well as optional modules from both within and outside of the Faculty of Science. For example, in the final year of the Pharmaceutical and Health Sciences degree you can take advanced modules in areas such as drug discovery, drug design and molecular pharmacology, as well as optional modules in areas such as marketing, entrepreneurship and business. Graduates of the BSc programme will therefore be ideally placed for a career in Malaysia's burgeoning RM1.4 billion pharmaceutical industry.

### Year 1

#### Modules

- Cellular Biochemistry and Introductory Microbiology
- Physiology and Pharmacology 1
- Pharmaceutics 1: Physiochemical Science and Medicines Design
- Practical Dispensing and the Science of Medicines Manufacture
- Pharmaceutical Practice
- Laboratory Studies in Pharmaceutical Chemistry, Physiology and Pharmacology
- Physiology and Pharmacology 2
- Pharmaceutical and Biological Chemistry 1

### Year 2

#### Modules

- Pharmaceutical Microbiology
- Physiology and Pharmacology 3
- Pharmaceutical Analysis and Spectroscopy
- Pharmaceutics 2: Pharmaceutical Technology
- Pharmaceutics Dissertation Study
- Concepts in Medicinal Chemistry and Drug Discovery
- Biopharmaceutics
- Pharmacology and Dissertation: Drugs and Diseases
- Physiology and Pharmacology 4
- Laboratory Studies in Pharmaceutical Sciences

**Optional modules from within and outside of the School of Pharmacy**

### Year 3

#### Modules

- Advanced Drug Delivery 1
- Molecular Pharmacology
- Medicinal Chemistry and Drug Design 1
- International Business Strategy 1

#### Optional modules:

**Two of the following modules.**

- Entrepreneurship and Business
- Financial Accounting
- Managing the Marketing Mix
- Introduction to Applied Psychology
- Molecular Pharming

**Pharmaceutical Sciences Research Project**

Entry requirements		English language requirements
<b>A level</b>	BBC with grade B in chemistry and 2 other science subjects, such as biology, physics or mathematics (SL)	IELTS: 6.0 (no elements below 5.5) TOEFL (iBT): 79 (no elements below 19)
<b>IB Diploma</b>	28 points, including chemistry and 5 points in mathematics (SL)	PTE (Academic): 55 (minimum 51)
<b>STPM</b>	B+B+B in chemistry and 2 other science subjects or mathematics	SPM: grade B+
<b>UEC</b>	4 As, including chemistry, mathematics and physics, or biology and grade B in 2 other academic subjects	1119 (GCE O Level): grade C
<b>SAM/AUSMAT/HSC</b>	ATAR (UAI)/TER/ENTER 82, including mathematics, physics and chemistry	GCSE/IGCSE: grade C
<b>Canadian Pre-U</b>	80% average based on 6 subjects including mathematics and science subjects	UEC: grade B3
<b>Foundation</b>	Successful completion of the Foundation in Science programme, including all chemistry modules	IB English A1 or A2 (SL or HL): 4 points IB English B (HL): 4 points
<b>SPM/GCSE/IGCSE</b>	In addition to the entry requirements listed above, those who have taken SPM/GCSE/IGCSE must have grade B in mathematics	IB English B (SL): 5 points  Muet Band 5 may also be considered  <i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>

We strongly encourage all interested students to apply. Our students come to us with a diverse range of qualifications and the only way to determine eligibility is by submitting a completed application – please see our 'Entry requirement guidelines' on page 114.

#### Fees:

Malaysian – RM40,240 per year  
Non-Malaysian – RM44,100 per year

#### Mode of study:

Full-time, 3 years

#### Intake:

September

#### Find out more

**School of Pharmacy**

t: +6 (03) 8924 8000

e: enquiries@nottingham.edu.my (Malaysian) or

international.enquiries@nottingham.edu.my (Non-Malaysian)

w: [www.nottingham.edu.my/pharmacy](http://www.nottingham.edu.my/pharmacy)

## Other related courses

[MPharm \(Hons\) Pharmacy \(page 105\)](#)

[BSc \(Hons\) Biomedical Sciences \(page 85\)](#)

[BEng/MEng \(Hons\) Chemical Engineering \(page 63\)](#)

[BEng/MEng \(Hons\) Chemical and Environmental Engineering \(page 63\)](#)

**“I enjoy working in smaller classes than in the UK as you develop a more personal relationship with your lecturers and everybody can take part.”**

**Ben Hunte / BSc Psychology**



Find out more about Ben's experience at  
[www.nottingham.edu.my/psychology/studentexperience](http://www.nottingham.edu.my/psychology/studentexperience)

Ben takes his work outside, sitting on the steps in front of the main administration building.



Scan it! To find out how to watch this video on your smartphone see page 65.

# School of Psychology

Over the past two decades, psychology has become one of the most popular degree subjects in the world. It is a fascinating subject that helps us to understand the ways in which our minds, brains, relationships and societies work.

The School of Psychology is consistently ranked amongst the top schools in the United Kingdom and is among the leading centres for research and teaching in the world. Our staff conduct field-leading research across a wide spectrum of psychological investigation.

## What is Psychology?

Psychology is the science of mental processes. It covers the perceptions, thoughts, feelings and actions of people from infancy to old age, ranging in focus from individuals to groups, organisations and societies. It is multidisciplinary, crossing boundaries between social science, biology, philosophy, medicine and psychiatry, and has a vast number of real-world applications. It also provides a gateway to many diverse and well-paid careers. Cognitive neuroscience is a related scientific discipline concerned with the study of the brain mechanisms that determine how we perceive and process information, and how our behavioural responses are determined.

In the School of Psychology some of the research we do is 'pure', with the aim of testing and developing theories; and some is 'applied', with the aim of understanding how we learn, how accidents happen and what causes mental disorders. Approaches to investigation range from field surveys to laboratory experiments. These include studies that employ the latest brain imaging techniques and eye-tracking facilities.

At The University of Nottingham Malaysia Campus we offer the following undergraduate degree programmes in psychology.

- BSc (Hons) Psychology
- BSc (Hons) Psychology and Cognitive Neuroscience

## How you are taught

Teaching is research-led, meaning that you will benefit from internationally-recognised scientists determining your curriculum and presenting lectures, tutorials, practical classes and seminars. On completion of your course you will have acquired a range of knowledge and skills including the ability to analyse and assess contemporary theories, empirical studies and practical applications.

Your knowledge of specialised areas of contemporary interest within psychology will be developed through your selection of special options and project work. Practical and project work will also develop your problem-solving skills, including the ability to design, conduct and analyse various types of psychological research. Additionally, the course will improve your oral and written communications skills, and your ability to use information technology and information retrieval systems. You will be assessed through a variety of methods including formal exams and coursework.

## Study abroad and summer internships

As a student at the Malaysia Campus you will have the opportunity to spend a semester or year abroad at our UK campus (subject to satisfactory grades and successful applications). Additionally, a number of summer internships are available in the vacation between the second and third year. These would allow you to work directly with world-class researchers on a research project at the UK or Malaysia Campus, with a living allowance provided.

## Career prospects

A recent report by the Higher Education Careers Services Unit found that psychology graduates are among the most employable, and least likely to be unemployed, of any degree course. A psychology degree helps prepare graduates for many different types of work, providing an impressive range of skills that make them highly sought after.

Psychologists work in many areas in the public and private sector, from schools and hospitals to management consultancies, high-tech industries and even professional sports teams. Many of our graduates will go on to choose psychology as a career – as researchers and teachers of the subject, or as practitioners in a range of sub-disciplines of psychology, such as clinical and counselling, educational and school, engineering, sports, forensic, health, and industrial/organisational.

Psychology graduates can also progress to a career in research, in either the public sector or the private sector. Research psychologists employed by businesses may work on a wide variety of projects, including creating new ways of targeting advertising campaigns, developing new forms of 3D cinema, and assessing new drugs to treat depression.



# Psychology

## BSc (Hons) Psychology

KPT/JPS(F3-K068)3/16

## BSc (Hons) Psychology and Cognitive Neuroscience

KPT/JPS9(C850)/4/16

During your first year you will be introduced to the core areas of biological, cognitive, developmental, and social psychology. As well as theoretical principles, the modules cover the applied aspects of these subjects, for example in education, engineering and clinical settings. You will also learn statistical methods of analysis and how to plan, carry out and report on psychological or cognitive neuroscience experiments. To complement your studies you will have the flexibility to select up to two modules from other Schools.

Second year modules examine the same topics as your first year in greater depth. You will expand your understanding, deal with more advanced theoretical problems, continue training in relevant research methods, and be given greater independence in undertaking research. Practical sessions run in a series of five-week group projects and are accompanied by further statistics courses. Psychology and cognitive neuroscience students are also offered a series of extra lectures detailing contemporary neuroimaging techniques. You also have the opportunity of spending one or two semesters in your second year at our campus in the UK.

The final year allows you to choose from a variety of advanced topics. If you are studying for the cognitive neuroscience degree you will take three core neuroscience modules plus another module of your choice. You are also required to conduct an independent research study during your final year. The project lasts throughout the year and, acting under the supervision of lecturers, you will be expected to take the initiative in designing and carrying out the research yourself, and completing a full research project report.

### Year 1

#### Modules

- Introduction to Cognitive Neuroscience and Biological Psychology
- Introduction to Social Psychology
- Cognitive Psychology
- Introduction to Developmental Psychology
- Practical Methods in Psychology
- Statistical Methods

#### Approved optional modules

Popular optional modules include:

- Introduction to Counselling
- Introduction to Applied Psychology
- Language courses
- Entrepreneurship and Business
- Linguistics

### Year 2

#### Modules

- Conceptual and Historical Issues in Psychology
- Personality and Individual Differences
- Cognitive Psychology 2
- Neuroscience and Behaviour
- Social and Developmental Psychology
- Practical Methods in Psychology 2
- Practical Methods in Psychology and Cognitive Neuroscience\*
- Statistical Methods 2

### Year 3

#### Research Project

#### Optional modules

- Active Vision
- Cognitive Neuroscience of Ageing
- Cognitive Neuroscience Methods: Neuroimaging\*
- Autism
- Evolution of Brain and Behaviour
- Psychological Assessment
- Themes and Debates in Psychology
- Self and Intergroup Processes
- Psychodynamic Psychology and Child Observations
- Programming for Psychologists\*

\* Compulsory for BSc (Hons) Psychology and Cognitive Neuroscience

Entry requirements		English language requirements
<b>A level</b>	BBC in either science or arts subjects (A levels with a strong academic component will rank higher than those without). Psychology A level is not required	IELTS: 6.5 (no elements below 6.0) TOEFL (iBT): 88 (no elements below 19)
<b>IB Diploma</b>	28 points including 5 points in mathematics (SL)	PTE (Academic): 62 (minimum 55)
<b>STPM</b>	B+B+B or grade points of 3.33 in at least 3 subjects, excluding Pengajian Am	SPM: grade A-
<b>UEC</b>	4 As excluding Chinese language	1119 (GCE O Level): grade B
<b>SAM/AUSMAT/HSC</b>	ATAR (UAI)/TER/ENTER 82	GCSE/IGCSE: grade C
<b>Canadian Pre-U</b>	80% average based on 6 subjects	UEC: grade A2
<b>Foundation</b>	Successful completion of the Foundation in Science Programme. Other foundation programmes will be considered on a case-by-case basis.	IB English A1 or A2 (SL or HL): 4 points IB English B (HL): 4 points IB English B (SL): 5 points
<b>SPM/GCSE/IGCSE</b>	In addition to the entry requirements listed above, those who have taken SPM/GCSE/IGCSE must have grade B in mathematics	Muet Band 5 may also be considered <i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>

We strongly encourage all interested students to apply. Our students come to us with a diverse range of qualifications and the only way to determine eligibility is by submitting a completed application – please see our 'Entry requirement guidelines' on page 114.

#### Fees:

Malaysian – RM34,730 per year  
Non-Malaysian – RM38,590 per year

#### Mode of study:

Full-time, 3 years

#### Intake:

September

#### Find out more

#### School of Psychology

t: +6 (03) 8924 8000

e: enquiries@nottingham.edu.my (Malaysian) or

international.enquiries@nottingham.edu.my (Non-Malaysian)

w: [www.nottingham.edu.my/psychology](http://www.nottingham.edu.my/psychology)

#### Other related courses

**BSc (Hons) Applied Psychology and Management Studies**  
(page 47)

# How to apply

By applying to The University of Nottingham Malaysia Campus (UNMC) you are taking a step towards an outstanding education and a rewarding career. If you have the academic ability to meet our entry requirements we encourage you to take the opportunity to study for a degree that is renowned throughout the world.



Enjoy your studies and make new friends as part of our diverse student body.

## Step 1

Please complete and post your application form and supporting documents to the Admissions Office. You can also apply online via our applicants portal: <https://apply.nottingham.edu.my>

### Supporting documents

- Application form
- One academic reference form for undergraduate application
- Two academic reference forms for postgraduate/ MBA application
- Academic certificates and transcripts of previous studies
- English language qualifications (if any)
- Copy of NRIC for Malaysian
- Copy of ID page of passport for Non-Malaysian
- Course syllabus (for those apply for entry into the second year of study)

If you are a postgraduate research applicant please also submit an outline of your research interest/proposal.

## Step 2

An acknowledgement email (with application index number) will be sent to you from the Admissions Office upon receipt of your application.

## Step 3

Your application will be considered by our Admissions Tutors and a decision will be made within two working weeks (for undergraduate and postgraduate taught courses).

It can take up to three months for postgraduate research applications to be processed.

You will be sent confirmation via email.

## Step 4

Upon acceptance of the offer, you are required to return the accept/decline form and make a payment of RM1,000 (non-refundable deposit) before the deadline. This amount shall be off-set from the first semester's tuition fee. The acceptance fee is not applicable to postgraduate research applicants.

## Step 5

Once you have accepted your offer to study at The University of Nottingham Malaysia Campus, you will receive an offer pack (containing accommodation form, student visa application etc) either by courier or email.

## Step 6

Prior to registration day, you will receive an email which contains registration information.

### Non-Malaysian students

Non-Malaysian applicants should submit their visa application at least two months before intake or ensure there is sufficient time to apply for a student visa. For further information, please contact the International Office:  
e: [international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my)

### Application forms

Application forms are available at the Malaysia Campus or can be downloaded from [www.nottingham.edu.my/applications](http://www.nottingham.edu.my/applications)

We are only able to accept applications via post or through our online applicants portal. Please post your completed application form to the address below. If you have any queries you may telephone or email us.

Admissions Office  
The University of Nottingham Malaysia Campus  
Jalan Broga, 43500 Semenyih, Selangor, Malaysia

t: +6 (03) 8924 8000  
f: +6 (03) 8924 8002  
e: [admissions@nottingham.edu.my](mailto:admissions@nottingham.edu.my) (Malaysian)  
e: [int-admissions@nottingham.edu.my](mailto:int-admissions@nottingham.edu.my) (International applicants)

### Apply online

You can now apply to study at The University of Nottingham online via our applicant's portal. To create an application you will need to register to create an account or logon if you have previously applied online.

Visit our applicant's portal at <https://apply.nottingham.edu.my>

### Intakes

#### February:

- selected undergraduate programmes and part-time MBA programmes in Nottingham University Business School
- selected part-time postgraduate programmes
- MPhil/PhD in Economics; Politics, History and International Relations

#### April:

- three-semester foundation programmes

#### June:

- postgraduate programmes in the School of Education

#### July:

- three-semester foundation programmes

#### September:

- two-semester foundation programmes
- all undergraduate programmes
- all postgraduate programmes (excluding programmes in the School of Education)
- MPhil and PhD in Business; Economics; and Politics History and International Relations

#### December:

- postgraduate programmes in the School of Education

#### All year round:

- MPhil and PhD programmes except for Business; Economics; and Politics, History and International Relations

### Entry requirement guidelines

We strongly encourage all interested students to apply. Our students come to us with a diverse range of qualifications and we also consider personal statement, references, and interview performance (if you have one) when making a decision. The only way for us to fully determine eligibility is through the submission of a completed application.

**Finding the right place to live while you study is an important consideration in your choice of university. Our Accommodation Office is here to offer a free and friendly service in helping you find a place to live that not only suits your needs but lets you get on with University life – both studying and having fun.**

#### On-campus accommodation

We offer various categories of rooms to suit a range of budgets within our Halls of Residence. There are five halls of residence which are situated on the western side of the University, just a five-minute walk to the Student Association building (and cafeteria) and a 10-minute walk to the academic areas. These range from single en suite to four share bedrooms.

In addition to our current on-site student accommodation we will soon be opening brand new halls of residence which will accommodate a further 1200 students.

Each hall offers fully furnished bedrooms with an internet point in every room and there are fully equipped pantry facilities. Students residing in rooms with air-conditioning will be charged monthly for air-conditioning usage based on a meter reading. Please see the table below for room types with and without air-conditioning.

Each hall has a warden or tutor who is responsible for your welfare. If you have any problems, whether personal or with your accommodation, they will be more than happy to assist you.

Accommodation fees range from approximately RM355 to RM625 per month, including utilities and internet connection (air-conditioning usage is charged separately). The rental rates are as follows.

Room types	Floor area (m <sup>2</sup> per room)	Monthly rental* (per person)
Single ensuite bathroom (with A/C)	13.23	RM625
Single shared ensuite bathroom (with A/C)	12.96	RM565
Single shared ensuite bathroom	12.96	RM465
Single shared bathroom in five room flat (with A/C)	9.49	RM535
Single shared bathroom in five room flat	9.49	RM435
Twin shared in six bedded flat	12.00	RM410
Four shared bedroom	48.24	RM355
Double decker shared ensuite bathroom (with A/C)	13.23	RM425
Double decker shared ensuite bathroom	13.23	RM375

The printed accommodation fees are based on 2012/13 rates and are subject to change.

The following facilities are available at the halls of residence.

- Wi-fi and an internet point in each room
- Pantry facilities
- Laundry and laundrette
- Cleaning services
- Repair and maintenance services

#### How to apply

Upon successful application to the University you will receive your accommodation form by email/courier together with your offer letter. To apply for accommodation you must complete the accommodation form and fax, email or post it to the Accommodation Office. We shall make the accommodation offer to you via email.

The Accommodation Office will only consider the application for on-campus accommodation upon confirmation of acceptance of the offer to study and upon receipt of the acceptance fees.

Rooms are allocated on a first come first served basis based on the accommodation allocation policy and subject to room availability.

It is the policy of the University that students are allowed to stay at the halls of residence for the first academic year only.

#### Off-campus accommodation

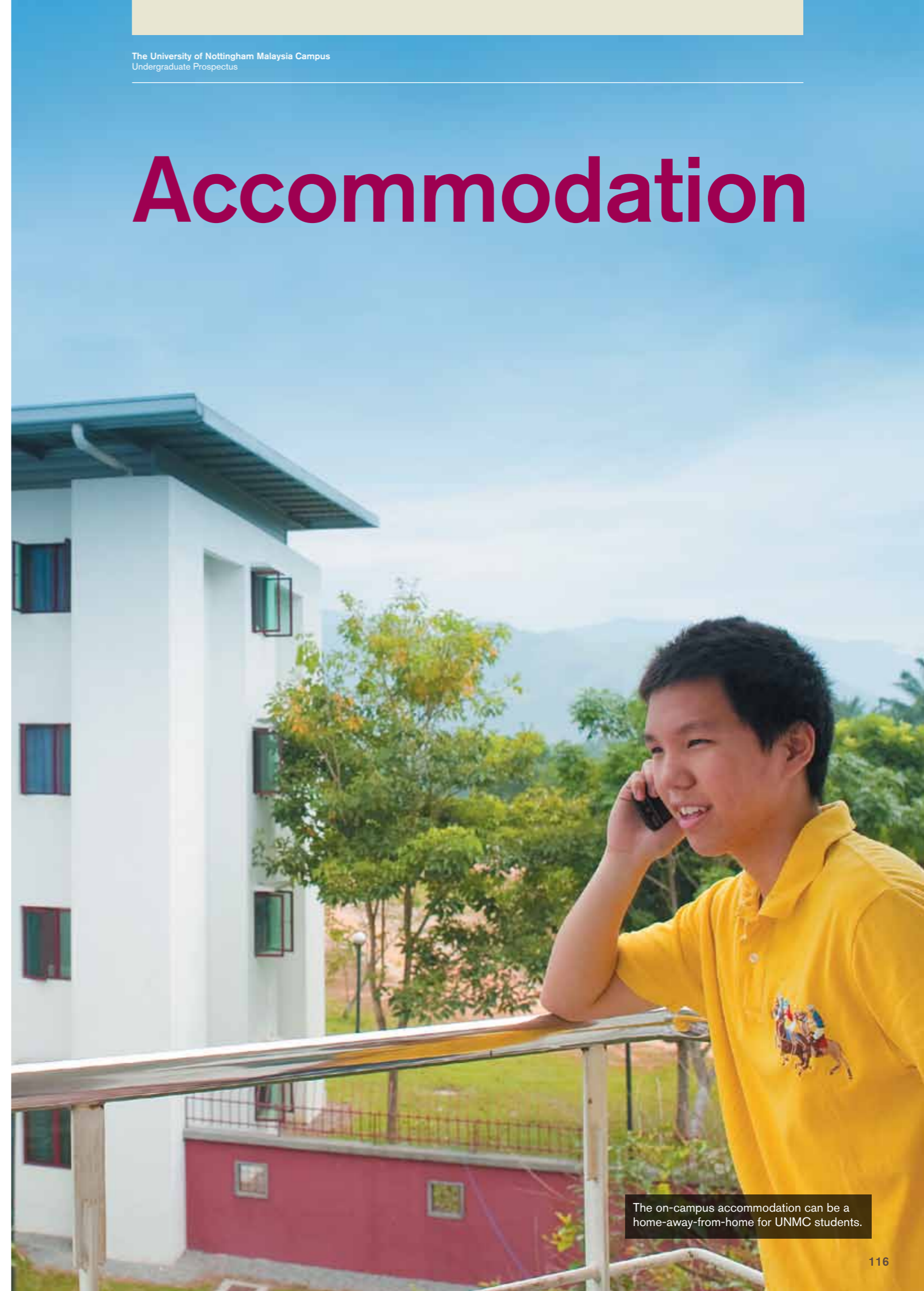
Should the on-campus accommodation be unavailable, you may choose to live in off-campus accommodation in Taman Tasik Semenyih (TTS) which is located 2km from the main entrance of the campus. There is also a bridge linking Taman Tasik Semenyih to the Malaysia Campus. The University provides shuttle bus services between TTS and the campus. This takes between five and ten minutes.

The off-campus accommodation is privately owned and managed, and not run by the University. The Accommodation Office will provide you with details of the off-campus accommodation if you are unable to reside in on-campus accommodation. Please be aware that if you opt to reside in off-campus accommodation it is a private arrangement between yourself and the off-campus accommodation manager.

Please visit our website for further information on your accommodation options or contact the Accommodation Office.

t: +6 (03) 8924 8640 / 8924 8649  
f: +6 (03) 8924 8657 / 8924 8002  
e : accommodation@nottingham.edu.my  
w: [www.nottingham.edu.my/accommodation](http://www.nottingham.edu.my/accommodation)

# Accommodation



The on-campus accommodation can be a home-away-from-home for UNMC students.

# Scholarships and financial assistance

## Scholarships

The following scholarships are offered at UNMC.

### Chinese Independent Schools (UEC) Scholarship

UEC Scholarship is for selected undergraduate programmes of study. Several full scholarships are made available every year and is open to Malaysian students only.

### The Star Education Fund

The University also pledges several scholarships via The Star Education Fund for Foundation and Undergraduate programmes of study. Several full scholarships are made available every year. This scholarship is open to Malaysian students only. Refer to The Star newspaper for further details. [www.thestar.com.my/education](http://www.thestar.com.my/education)

### Sin Chew Daily Education Fund

Several full scholarships are made available every year through the Sin Chew Daily Education Fund for undergraduate programmes. Several full scholarships are made available every year. This scholarship is open to Malaysian students only. Further details can be found printed in the Sin Chew Daily newspaper between February and March. [www.sinchew.com.my](http://www.sinchew.com.my)

### High Achievers' Scholarships

This is an automatic scholarship for foundation and undergraduate programmes of study. Students who meet the criteria will automatically be awarded the scholarship, whereby they will only have to pay 75% of their tuition fees or less at the year of entry. It is open to both Malaysian and non-Malaysian students.

### Dean's Excellence Scholarship

The Dean's Excellence Scholarships (DES) amounts to a fee reduction of 25%. These scholarships are awarded to top achieving students, usually the top 10% of the schools' high achievers at the point of progression for each academic year, ie from:

- Foundation to Year 1
- Year 1 to Year 2
- Year 2 to Year 3

### Automatic Scholarships

We offer several automatic scholarships for alumni of The University of Nottingham, children of alumni, siblings, spouses and alumni of Universitas 21 (U21) Institutions.

Further details on these scholarships are available on our website: [www.nottingham.edu.my/scholarships](http://www.nottingham.edu.my/scholarships)

## Financial assistance

The University of Nottingham Malaysia Campus offers a range of financial assistance schemes for Malaysian students.

### Tinggi Foundation Scholarship

The University is very fortunate to have the support of Tinggi Foundation, which offers scholarships to deserving students. The scholarship is worth 50% of any undergraduate tuition fee and is open to Malaysian students pursuing courses in the following Schools.

#### Faculty of Arts and Social Sciences

- Business
- Economics

#### Faculty of Engineering

- Chemical and Environmental Engineering
- Civil Engineering
- Electrical and Electronic Engineering
- Mechanical, Materials and Manufacturing

#### Faculty of Science

- Computer Science
- Psychology

#### Other options for finance are:

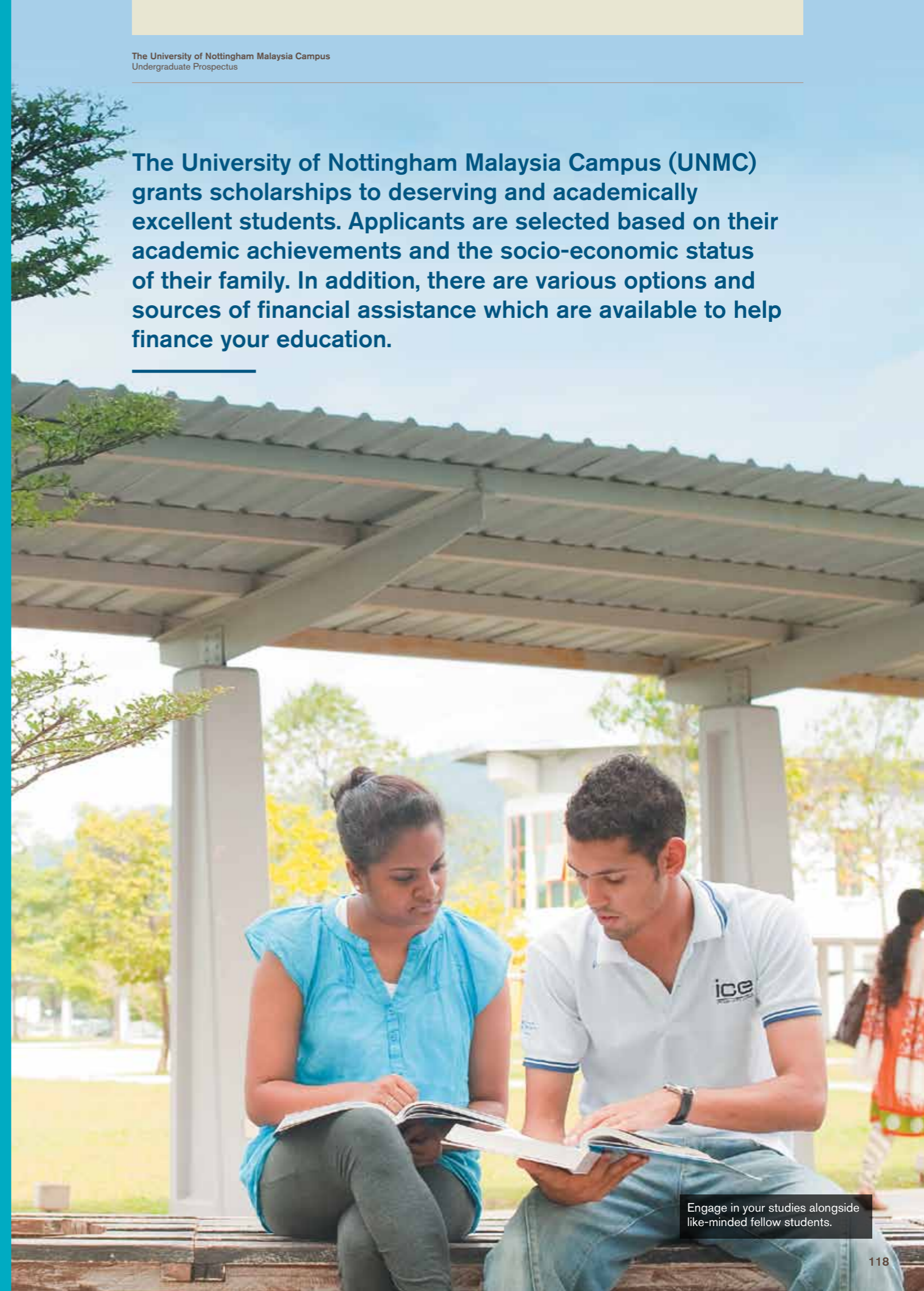
- MARA Study Loan Scheme
- PTPTN Loan
- EPF Withdrawal

Students with outstanding academic results can also seek sponsorship from other sponsoring bodies. The list of sponsoring bodies can be found at: [www.nottingham.edu.my/scholarships](http://www.nottingham.edu.my/scholarships)

#### Find out more

Sponsorship Office  
t: +6 (03) 8924 8052 / 8665 / 8063  
e: [sponsorship@nottingham.edu.my](mailto:sponsorship@nottingham.edu.my)

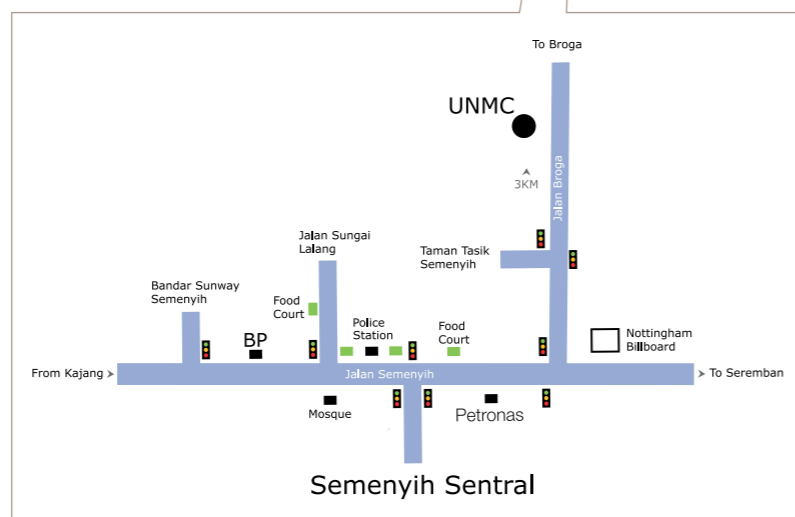
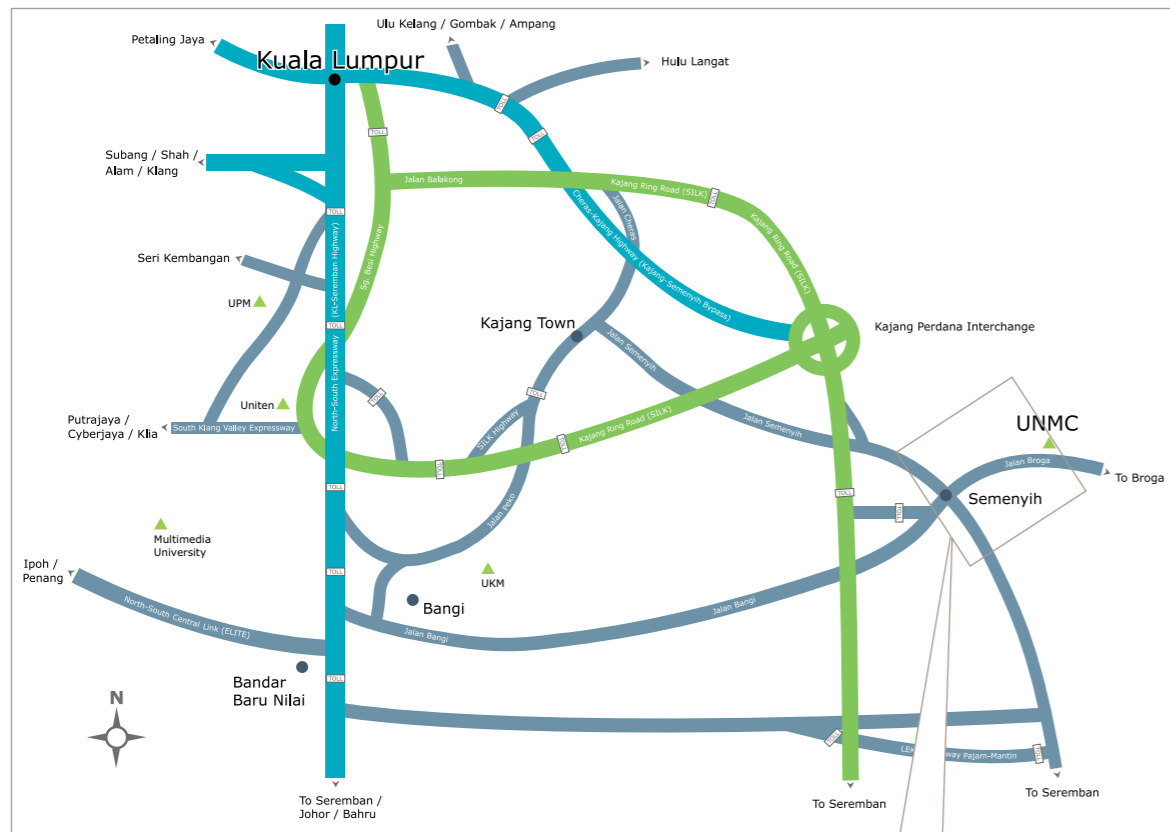
The University of Nottingham Malaysia Campus (UNMC) grants scholarships to deserving and academically excellent students. Applicants are selected based on their academic achievements and the socio-economic status of their family. In addition, there are various options and sources of financial assistance which are available to help finance your education.



Engage in your studies alongside like-minded fellow students.

# Where to find us

The University of Nottingham Malaysia Campus can be reached easily by train, bus, car or taxi. There is also a shuttle bus available to our students to/from the Keretapi Tanah Melayu (KTM) train station in Kajang. Further information and directions can be found at [www.nottingham.edu.my/maps](http://www.nottingham.edu.my/maps)



**The University of Nottingham Malaysia Campus**  
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Jalan Broga, 43500 Semenyih,  
Selangor Darul Ehsan, Malaysia

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f: +6 (03) 8924 8005  
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[international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my) (Non-Malaysian)  
w: [www.nottingham.edu.my](http://www.nottingham.edu.my)

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t: +44 (0)115 951 4591  
e: alternativeformats@nottingham.ac.uk

#### Disclaimer:

The University of Nottingham Malaysia Campus has made every effort to ensure the accuracy of the information contained in this brochure at the time of publication. The University reserves the right to alter any information without prior notice should the need arise.

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Design: [www.campbellrowley.com](http://www.campbellrowley.com)

# Connect with Nottingham

We use the latest technology to bring Nottingham to life and to ensure you can experience and interact with the University community anytime, anywhere in the world.

#### Social media

 [www.facebook.com/uonmalaysiacampus](http://www.facebook.com/uonmalaysiacampus)

 [www.twitter.com/uonmalaysia](http://www.twitter.com/uonmalaysia)

 [www.youtube.com/uonmalaysia](http://www.youtube.com/uonmalaysia)

#### Instant access with QR codes

You may have noticed these intriguing black boxes throughout our prospectus:



These are QR (Quick Response) codes and we've introduced them to give you instant access to our students' experiences.

To watch their videos on your smart phone\*, follow the steps below:

#### Step 1

Download any QR code reader (there are lots of free ones)

#### Step 2

Open up the QR code reader on your phone and scan the codes

#### Step 3

Each code will direct your mobile browser to the relevant video

Once you have seen the video, we hope you will decide to visit us in person.

\*Your data plan and file size limitations imposed by your supplier may affect viewing ability. You can also view all the videos online at [www.youtube.com/uonmalaysia](http://www.youtube.com/uonmalaysia)

