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*The university reserves the right to change the information in this prospectus without prior notice.*
A Warm Greeting from Universiti Teknologi Brunei and Happy New Year 2020!
Universiti Teknologi Brunei was established in 1986 and has produced over 7,000 engineering, business and computing graduates. Today, two more schools and degree programmes are added to the list: School of Applied Sciences and School of Design. In addition to undergraduate degree programmes, UTB also offers Masters by Coursework, Masters by Research and Doctor of Philosophy.

At UTB, we are committed to promoting and developing a culture of excellence, innovation, inclusion, commitment and respect. I hope we can enrich student experience by providing a rich and diverse learning environment.

This prospectus provides brief information about our programmes. Should you wish to discuss your future with us at UTB, feel free to talk to our academics during HE Expo from 8-9 February 2020.

Thank You.

Wabillahi Taufik Walhidayah Wassalamualaikum Warahmatullahi Wabarakatuh.

**Professor Dr. Dayang Hjh Zohrah binti Haji Sulaiman**

Vice-Chancellor
Brunei Darussalam is a small sovereign state located on the northern shore of the island of Borneo. With a land area of 5,765 km², it has a population of 414,400 (2010) which grows at a rate of 2.0% per annum. Brunei Darussalam has a multi-racial society, comprising of 67% Malays and 15% Chinese. Other races such as Indians, indigenous ethnic groups and expatriates make up the rest of the country’s population. Malay is the official language, but English is widely spoken.

Brunei Darussalam enjoys an equatorial climate with an average temperature of about 28° celsius, high humidity and heavy rainfall.

The Brunei Government provides free education to all Brunei Darussalam citizens and permanent residents who attend government schools. While the current education policy prioritizes the Malay Language as the official national language, English is most commonly used as the medium of instruction. The literacy rate in Brunei Darussalam is about 96.1%, which is among the highest in the world. Brunei is ranked 30th in the 2014 United Nation’s Human Development Index.

Brunei Darussalam has a small but wealthy economy. The people of Brunei Darussalam enjoy a high quality of life with an estimated GDP of B$40,700 per capita – the second highest in the ASEAN region.

Brunei Darussalam’s economy has been dominated by the oil and gas industry for the past 80 years. Hydrocarbon resources account for over 90% of its export and more than 50% of its Gross Domestic Product. Today, Brunei is the fourth largest oil producer in South East Asia and the ninth largest exporter of liquefied natural gas in the world.

In Brunei Vision 2035, the country aspires to be recognised everywhere for the accomplishments of its well-educated and highly skilled people, the quality of life and the dynamic and sustainable economy.

Source:
Brunei Darussalam Key Indicators (Department of Economic Planning and Development, 2011)
www.bedb.com.bn
Universiti Teknologi Brunei (UTB) is an Engineering and Technology University in Brunei Darussalam that specialises in the niche areas of Engineering, Business, Computing, Applied Sciences & Mathematics, and Design.

UTB was first established in 1986 as Institut Teknologi Brunei (ITB), a higher learning institution offering Higher National Diploma programmes in Engineering, Business and Computing. In 2008, ITB was upgraded to a university and was renamed to Universiti Teknologi Brunei (UTB) on 1 March 2016.

Since the upgrade, the university has seen tremendous development including the expansion of its academic programmes portfolio, establishment of partnerships with industries and universities, embarking on the process of programme accreditation by professional bodies, and intensification of research activities. UTB’s ethos has always been based around the idea that effective instruction, hands-on approach and industry-based programmes equip students with fundamental knowledge, competence and marketable skills. This guiding principle has helped UTB produce graduates highly valued by local employers and readily accepted by universities in the UK, Australia, Canada and around the world.

In research, UTB strives to become a university that contributes to enrichment of knowledge and solving contemporary issues with research focused on Energy, Sustainable Built Environment, Agrifood, Digital and Creativity, Society and Enterprise, and Wellness. These Research Thrusts provide platforms for academic staff from various faculty, schools and centres to collaborate. UTB Research Centres perform active research in multidisciplinary expert teams and engages external stakeholders such as government agencies, companies and other stakeholders to win grants, consultancies and others. This include Centre for Innovative Engineering (CIE) - which aims to become a dynamic centre for multidisciplinary and innovative translational research; the Centre for Transport Research
(CfTR) - established to carry out research activities that include policy studies, transport modelling and intelligent transport system, and focuses on the areas of Transport Safety, Highway & Geotechnics, and Traffic; and the Centre for Research in Agri Food Science & Technology (CrAFT) – a new research centre that aims to support the nation’s aspiration to diversify its economy by strengthening the Agrifood industry using science and technology.

UTB made its first appearance in the Quacquarelli Symonds World University Ranking (QS WUR) at 442 in 2018, evaluated against 4,763 institutions from 151 countries around the world. However, in 2019 it has managed to climb an astounding 63 places and clinched Top 400 at 379th place. This has ranked UTB at 51 for Young Global University under 50 years of age and this presents another great achievement since UTB is a very young university. In Asia, UTB is among the top 200 universities. In the 2019 edition of QS Asia University Rankings, UTB ranked at 181, the top 36 per cent among over 500 institutions across the continent but managed to climb 44 places at 137th place in the 2020 edition of the QS Asia University Rankings. With a five-star ranking, this makes UTB the only University in the country rated Five Star by the QS. UTB has also successfully acquired the ISO 9001:2015 Quality Management System Certification by the Bureau Veritas in July 2019.

To date, UTB has produced over 5,141 BDTVEC HND graduates, 295 HND Level Five graduates, 1,684 undergraduates and over 199 Master’s degree graduates.

UTB’s vision is to become a global university impacting society and its mission is to nurture socially-responsible talents that are deeply-rooted in MIB values and committed to building a global and entrepreneurial society in pursuit of innovation, industry-relevant capabilities, towards the fulfillment of Brunei Vision 2035.
VALUES

PIOUS
Embracing and cultivating the value of Malay Islamic Monarchy (MIB). The aspiration to uphold Islamic faith and patriotism with full commitment and honesty. To practice noble, disciplined personality and cultural values with the guidance of Allah SWT.

PROFESSIONAL
Upholding the code of ethics governing our behaviour in all our endeavours. To provide services with a high degree of professionalism in all aspects of our work.

PASSIONATE
A strong drive to be intrinsically motivated and consistently committed to align, pursue and realise UTB’s vision and mission. It creates a conviction and provides an impetus for excellence.

INNOVATIVE
An ability to bring creative ideas to life resulting in enhanced performance and growth through efficiency, quality and productivity. To promote 21st century skills in teaching and learning. To optimise the use of available resources. To transform research into great innovation. To improve operational efficiency.

ENGAGING
Upholding the code of ethics governing our behaviour in all our endeavours. To provide services with a high degree of professionalism in all aspects of our work.

SCHOLARLY
Disseminating of work and life skills, and knowledge through high quality teaching, learning, research and innovation. To promote independent learning and develop knowledgeable society towards Brunei Vision 2035.
**MILESTONES**

**1986**
UTB was established at a temporary campus in Jalan Muara. The first intake of students comprised of 57 students enrolling in BTEC HND programmes in Electrical and Electronic Engineering, Business and Finance, and Computing.

**1998**
- UTB moved to the permanent campus at Tungku Highway and began offering HND programmes in Civil and Mechanical Engineering.
- BDTVEC replaces BTEC as the awarding body for local vocational and technical programmes, including HND.

**2001**
The BEng in Civil Engineering twinning programme with Queen’s University of Belfast commenced.

**2004**
UTB pioneered and organized the first Crown Prince CIPTA Award competition to encourage creativity and innovation in Brunei Darussalam.

**2008**
UTB upgraded to a university by His Majesty the Sultan and Yang Di-Pertuan of Brunei Darussalam on 18 October 2008.

**2009**
- As a university, UTB began offering four undergraduate degree programmes.
- The 1+3 articulation undergraduate degree programmes with the University of New South Wales in Petroleum Engineering and Chemical Engineering commenced in UTB.

**2010**
The UTB constitution was gazetted.

**2011**
- Introduction of Masters by Research and PhD programmes.
- Introduction of part-time study mode for Business and Computing undergraduate degree programmes.
- Enrolment of the last student intake for the UTB-QUB twinning programmes in Civil Engineering.
- Establishment of the Centre for Road Safety Studies (renamed to the Centre for Transport Research in 2014).

**2012**
- Introduction of nine new undergraduate degree programmes and two new Foundation Degree programmes.
- Format of the articulation degree programmes with UNSW was changed from 1+3 to 2+2.
- Enrolment of the last student intake for the HND programmes in Business and Computing.
2013

- His Majesty the Sultan and Yang Di-Pertuan of Brunei Darussalam, Chancellor of UTB graced the UTB Convocation for the first time.
- Installation of HRH the Crown Prince and Senior Minister at the Prime Minister’s Office as the Pro-Chancellor of UTB.
- Graduation of the first intake of degree students.
- Construction of UTB Phase 3 was completed.
- Introduction of five new undergraduate degree programmes.
- The UTB Materials Testing Centre was officiated.
- The inaugural issue of the ITB Pulse newsletter was published.

2014

- The Pro-Chancellor of UTB inaugurated the first ‘Pesta Konvo’ of UTB.
- UTB became the first university in Brunei to be accepted as a member of the Association to Advance Collegiate Schools of Business International (AACSB).
- The UTB School of Business and School of Computing & Informatics were formed.
- Establishment of the Centre for Innovative Engineering.
- Enrolment of the last student intake for the HND and Foundation Degree programmes in Engineering.
- Strategic plan of UTB 2013-2018 was endorsed by Council.

2015

- CIPTA Grand Prize won by a team of Singaporean cancer researchers
- Introduction of Taught Masters Degree in UTB
- The UTB Pro-Chancellor consented to officiate the ISLE Garden
- First cohort of Masters by Research students graduated
- Introduction of the UTB Staff Excellence Award
- Introduction of the Vice-Chancellor’s Award and the Dean’s List

2016

- Universiti Teknologi Brunei renamed to Universiti Teknologi Brunei
- School of Applied Sciences and Mathematics was established

2017

- QS 4-Star Rating
- UTB Ranked at 165 in QS Asia
- UTB preceded its vision by being the best 9 universities for Engineering & Technology in Southeast Asia
- Establishment of School of Design
- Accreditations by ACCA (The Association of Chartered Certified Accountants), BCS (British Computer Society) and JBM (Joint Board of Moderators)
- STI labs-Industry in campus
- Donation of $300k for FEng

2018

- UTB awarded five stars by QS
- UTB debuted in the QS World University Ranking at 442 and positioned at 57 for universities under 50 years of age
- The Centre for Research on Agri-Food Science and Technology (CrAFT) was established
- UTB Strategic Plan 2019 – 2023 endorsed by Council
- UTB Satellite Partners Bridging Programme was introduced

2019

- UTB certified with ISO 9001:2015 Quality Management System Certification by Bureau Veritas
- UTB climbed 63 places in QS World University Ranking at 379 and positioned at 51 for universities under 50 years of age
- UTB climbed 44 places in QS World University Ranking for Asia at 137
GENERAL ENTRY REQUIREMENTS FOR UNDERGRADUATE PROGRAMMES

Applicants for admission to undergraduate degree programmes must satisfy the following minimum entry requirements:

1. At least a Credit Six (C6) in Mathematics at GCE Ordinary Level or its equivalent.

2. At least a Credit Six (C6) in English Language at GCE Ordinary Level or an IELTS score of 6.0\(^1\) or TOEFL minimum overall score 550\(^2\) or its equivalent.

\(^1\) and \(^2\): This is a university requirement and may differ for the award of any scholarship

Students who wish to be admitted as a mature candidate must satisfy the following minimum requirements:

- Applicants must be at least 21 years of age on the date of admission to the programme
- At least a credit 6 in English Language at GCE ‘O’ Level Examination or a grade ‘C’ in IGCSE English (as a Second Language) or a valid IELTS score of 6.0 or a TOEFL minimum overall score of 550.
• A minimum of credit 6 at GCE ‘O’ Level Mathematics or equivalent

• At least passed 1 GCE ‘A’ Level or equivalent examination in a subject relevant to the programme

OR

Obtained a relevant Level 4 Diploma or Higher National Technical Education Certificate (HNTec) or equivalent, recognised by the Senate

• At least 3 years of relevant working experience in related fields

• Satisfactory interview

Any other entry requirements will be decided on case by case basis.

The following A-Level points are used as a basis for programme specific requirements:

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The UTB Faculty of Engineering is the foremost provider of engineering higher education in Brunei Darussalam. It offers Bachelor of Engineering programmes in Chemical Engineering, Civil Engineering, Electrical & Electronic Engineering, Mechanical Engineering, Mechatronic Engineering, and Petroleum Engineering.

The Faculty of Engineering consists of four programme areas:
- Civil Engineering
- Electrical and Electronic Engineering
- Mechanical Engineering
- Petroleum and Chemical Engineering

In addition to the Bachelor degree programmes, the Faculty offers Master and PhD degrees by research, as well as Master degree programmes by coursework. These include programmes in Civil Engineering, Electrical & Electronic Engineering, Mechanical Engineering, Petroleum Engineering and Water Resources & Environmental Engineering.

The taught programmes in the Faculty of Engineering are designed to achieve accreditation by professional institutions under the UK Engineering Council. This is reflected by the successful accreditation of Civil Engineering programmes by the Joint Board of Moderators in 2017. This is important for international recognition and for the realisation of UTB’s vision to become a global university with meaningful and positive impacts on society.
PROGRAMMES OFFERED

UTB-SP Bridging Programme

BriTE (please refer to page 104)

Undergraduate Programmes

Civil Engineering
Bachelor of Engineering (Hons) in Civil Engineering
Bachelor of Engineering (Hons) in Civil Engineering with Structural Engineering

Electrical and Electronics Engineering
Bachelor of Engineering (Hons) in Electrical and Electronic Engineering
- Bachelor of Engineering (Hons) in Electrical and Electronic Engineering (Major in Electronic and Communication)
- Bachelor of Engineering (Hons) in Electrical and Electronic Engineering (Major in Electrical Power)
Bachelor of Engineering (Hons) in Mechatronics Engineering

Mechanical Engineering
Bachelor of Engineering (Hons) in Mechanical Engineering

Petroleum and Chemical Engineering
Bachelor of Engineering (Hons) in Chemical Engineering
Bachelor of Engineering (Hons) in Petroleum Engineering

Graduate Programmes

Master of Science (by Coursework) in Civil Engineering (Full Time & Part Time)
Master of Science (by Coursework) in Electrical and Electronic Engineering (Full Time & Part Time)
Master of Science (by Coursework) in Mechanical Engineering (Full Time)
Master of Science (by Coursework) in Water Resources and Environmental Engineering (Full Time)
Master of Science by Research (Full Time & Part Time)
Doctor of Philosophy (PhD) (Full Time & Part Time)
The undergraduate programmes in Civil Engineering and Civil Engineering with Structural Engineering have been developed to address the increasing and evolving requirements for qualified civil engineers in Brunei Darussalam. Each programme contains elements of both theoretical and practical nature, and emphasises on producing quality graduates equipped with sound analytical, problem-solving and transferrable skills necessary to embark on a successful career in civil engineering or other related profession.

The programmes also include a period of industrial placement between the third and fourth year. This industrial placement aims to provide a platform for the students to gain valuable workplace experience under the guidance of an industry mentor.

Career opportunities are available in a wide range of organisations such as in public works, consulting and construction companies, civil aviation, roads and transportation authorities, and environmental protection authorities. Furthermore, graduates are equipped with fundamental problem-solving and numeracy skills which enable them to adapt to the challenges of working in many industries as well as in research and development.

The BEng Civil Engineering and BEng Civil Engineering with Structural Engineering programmes are both accredited by the Institution of Civil Engineers (ICE), the Institution of Structural Engineers (IStructE), the Chartered Institution of Highways and Transportation (CIHT) and the Institute of Highway Engineers (IHE) on behalf of the UK Engineering Council.

Both programmes are accredited for the purpose of fully satisfying the educational base for an Incorporated Engineer (IEng), and partially satisfying the educational base for a Chartered Engineer (CEng). A programme of accredited Further Learning will be required to complete the educational base for CEng. See www.jbm.org.uk for further information and details of Further Learning programmes for CEng.
BACHELOR OF ENGINEERING (HONS) IN CIVIL ENGINEERING

ENTRY REQUIREMENTS
(either one of the following requirements):

‘A’ Level:
CCC or 240 ‘A’ Level points in 3 ‘A’ Levels including Mathematics (Grade C or higher) and two relevant Science Subjects (Physics, Chemistry, Biology, Further Mathematics, Design and Technology, Computing and Geography).

International Baccalaureate:
28 points with minimum of 5 points in Physics and Mathematics at standard level or 4 points at higher level.

BTEC/BDTVEC Higher National Diploma or Advanced Diploma or its equivalent:
Minimum of Merit grades in 60% of modules including analytical modules such as Mathematics, Soil Mechanics, Hydraulics and Structures.

Work Experience or other qualifications:
Relevant work experience and/or other qualifications deemed to be equivalent to one of the above to be decided on a case by case basis by the Faculty.

For mature applicants:
Standard university requirements for mature candidates as prescribed by university regulations apply.

Civil Engineering involves the planning, design, construction, management, maintenance, and operation of much of the infrastructure that surrounds us and underpins modern civilisation. Examples of such infrastructure includes buildings, roads, bridges, tunnels, dams, towers, pipelines, retaining walls, sewers, wastewater treatment plants, drainage, flood control and water supply.

The BEng (Honours) programme in Civil Engineering thus develops essential knowledge of engineering principles and enables their application towards the solution of civil engineering problems, with the aim of improving the quality of life of all in the society.
YEAR 1
• Engineering Drawing
• Effective Communication
• Surveying and GIS
• Engineering Mechanics
• Engineering Mathematics I
• Melayu Islam Beraja
• Technical Communication
• Computing for Engineers
• Engineering Mathematics II
• Engineering Design
• Principles of Fluid Mechanics

YEAR 2
• Professional Ethics
• Engineering Hydrology
• Engineering Mathematics III
• Mechanics of Solids
• Open Channel Hydraulics
• Construction Materials
• Environment, Leadership, Technopreneurship & Social Innovation (ELTS)
• Sustainability for Engineers
• Engineering Geology
• Structural Analysis
• Soil Mechanics

YEAR 3
• Reinforced & Pre-stressed Concrete Design
• Geotechnics I
• Water Supply Engineering
• Geotechnics II
• Structural Steel & Composite Design
• Construction Management
• 2 elective modules

ExperiencePLUS

YEAR 4
• Final Year Project
• Integrated Civil Design Project
• Highway Engineering
• 3-5 elective modules

Career Opportunities
• Consulting Civil Engineers (either in the private sector or in public works departments) in the fields of:
  Structural Engineering, Geotechnical Engineering, Hydraulics Engineering, Water Engineering, Environmental Engineering, Sustainability Engineering, and Highway and Transport Engineering
• Construction/Project Managers;
• Contracting civil engineers;
• Site Engineer;
• Other construction-related careers such as in Architecture, Quantity Surveying, sub-contracting, renovation, etc.;
• Professors, lecturers and technicians in Civil Engineering and other fields in higher education institutions;
• Technical and managerial professionals in other engineering fields such as in the Oil & Gas industry, materials production industry, software engineering etc.; and
• Technical and managerial professionals in non-engineering fields such as banking, business administration, management, economics, etc.
The BEng (Honours) programme in Civil Engineering with Structural Engineering develops the knowledge and skills of students in the engineering of structures and buildings, in addition to fundamental civil infrastructure as discussed above. This is achieved through a greater emphasis on analytical and design modules in structural engineering, as well as final year research and design projects focusing on structural engineering.

This programme prepares graduates to meet the challenges of civil and structural engineering in the 21st century, which include the design and construction of sustainable structures and the development and use of innovative materials, processes and practices.
Career Opportunities
Possible careers for graduates of BEng (Hons) in Civil Engineering with Structural Engineering are similar to those for graduates in BEng (Hons) in Civil Engineering, except that graduates of this programme have more specialist skills in the design and construction of structures such as multi-storey buildings, power transmission towers, storage tanks, etc.
ELECTRICAL AND ELECTRONIC ENGINEERING

The programmes offered by Electrical and Electronic Engineering are intended to provide education and training which are directly relevant to the manpower needs of Brunei Darussalam.

The programmes lead to a variety of careers in areas as diverse as electrical power, electronics, photonics, communications, control and renewable energy. Professional activities in the programme area are well-established and most faculty members are active in research and development activities. In line with the ethos, vision, and mission of Universiti Teknologi Brunei and the values of MIB, our degree programmes aim to provide students with hands-on skills and knowledge which will enable them to make valuable contributions to national and international development.

The programmes are designed in such a way that our graduates will be equipped with up-to-date knowledge on advanced technologies to cope with the challenges of a rapidly changing work environment. In addition, graduates will be able to develop the professional and ethical skills necessary to become effective technopreneurs and innovators to respond to the socioeconomic needs of the nation as well as the world.
ENTRY REQUIREMENTS
(either one of the following requirements):

‘A’ Level:
CCD or 220 ‘A’ Level points in 3 ‘A’ Levels including Mathematics (Grade C or higher), Physics (Grade C or higher) and one relevant Science Subject (Chemistry, Biology, Further Mathematics).

or

BC or 180 ‘A’ Level points in 2 ‘A’ Levels, including Grade C or higher in both Mathematics and Physics.

International Baccalaureate:
28 points with minimum of 5 points in Physics and Mathematics at standard level or 4 points at higher level.

BTEC/BDTVEC Higher National Diploma or Advanced Diploma or its equivalent:
At least 60% or higher of the modules at Merit including 60% of the analytical modules as identified by the programme area.

For mature applicants:
Standard university requirements for mature candidates as prescribed by university regulations apply.

Electrical and Electronic Engineering uses science, technology, and problem-solving skills to design, construct, and maintain products, services, and information systems. An Electrical and Electronic engineer will have a wide range of job opportunities such as design engineer, project engineer, research engineer, systems and design engineer, software engineer, to name a few.
YEAR 1
- Electrical Laboratory Skills
- Principles of Computer Systems
- Electrical Principles
- Engineering Mathematics 1
- Effective Communication
- Computing for Engineers
- Digital Electronics
- Semiconductor Devices Fundamentals
- Engineering Mathematics 2
- Technical Communication
- Melayu Islam Beraja
- 1 elective module

YEAR 2
- Electronic Principles
- Electrical Circuits
- Computer Communication and Networking
- Engineering Mathematics 3
- Professional Ethics
- Instrumentation and Measurement
- Electronic Circuits
- Microcomputer Engineering
- Signals and Systems
- Environment, Leadership, Technopreneurship & Social Innovation (ELTS)
- Engineering Management
- 1 elective module

YEAR 3
- Group Design Project
- Electromagnetic Fields and Waves
- Communication Systems
- Embedded Systems
- Electrical Power Engineering
- Control Systems
- Data Communications
- Fibre Optics Technology
- Power Electronics
- 2 elective modules

ExperiencePLUS

YEAR 4
Electrical and Electronic Engineering:
- Final Year Project
- Optical Communications
- Integrated Circuit Technology
- Power Systems 1
- Mobile Communications
- 4 elective modules

Major in Electronic & Communication:
- Final Year Project
- Digital Communications
- Optical Communications
- Integrated Circuit Technology
- Mobile Communications
- 4 elective modules in major

Major in Electrical Power:
- Final Year Project
- Power Electronic Drives
- Electrical Machines 2
- Power Systems 1
- Power Systems 2
- 4 elective modules in major
ENTRY REQUIREMENTS
(either one of the following requirements):

‘A’ Level:
CCD or 220 ‘A’ Level points in 3 ‘A’ Levels including Mathematics (Grade C or higher), Physics (Grade C or higher) and one relevant Science Subject (Design and Technology, Chemistry, Biology, Further Mathematics, Computer Science and Geography).

or

BC or 180 ‘A’ Level points in 2 ‘A’ Levels, including Grade C or higher in both Mathematics and Physics.

International Baccalaureate:
28 points with minimum of 5 points in Physics, Mathematics and Chemistry at standard level or 4 points at higher level.

BTEC/BDTVEC Higher National Diploma or Advanced Diploma or its equivalent:
At least 60% or higher of the modules at Merit including 60% of the analytical modules as identified by the programme area.

For mature applicants:
Standard university requirements for mature candidates as prescribed by university regulations apply.

Mechatronics is a multi-disciplinary study dealing with the integration of mechanical devices, electronics, intelligent controllers and computers. Many new generations of consumer or commercial products can be classified as mechatronic products as they involve mechanical as well as electronic components. The need for mechatronic education has grown due to the increase in the number and importance of such systems and devices. This programme is designed to provide in-depth knowledge in the fundamentals, design, analysis and operation of mechatronic systems and will be conducted by faculty from both the Electrical & Electronic Engineering and Mechanical Engineering departments at UTB.
YEAR 1
• Electrical Laboratory Skills
• Design, Drafting & Manufacture
• Electrical Principles
• Engineering Mathematics 1
• Effective Communication
• Computing for Engineers
• Digital Electronics
• Engineering Statics
• Engineering Mathematics 2
• Technical Communication
• Melayu Islam Beraja

YEAR 2
• Electronic Principles
• Electrical Circuits
• Engineering Thermodynamics 1
• Professional Ethics
• Electronic Circuits
• Microcomputer Engineering
• Engineering Dynamics
• Environment, Leadership, Technopreneurship & Social Innovation (ELTS)
• Engineering Management
• Signals and Systems
• 1-2 elective modules

YEAR 3
• Group Design Project
• Electromagnetic Fields and Waves
• Embedded Systems
• Fluid Mechanics 1
• Manufacturing Engineering
• Instrumentation and Measurement
• Control Systems
• Electrical Machines 1
• Robotics
• 2 elective modules

ExperiencePLUS

YEAR 4
• Final Year Project
• Digital Signal Processing
• Mechatronics Laboratory
• Industrial Automation
• Artificial Intelligence
• 3-4 elective modules
Mechanical Engineers use the principles of energy, materials, and mechanics to design and manufacture machines and devices of all types. The programme offered in UTB is broad-based and leads to a wide variety of careers. Mechanical Engineers are needed in various government departments in Brunei Darussalam such as Public Works Department, Royal Brunei Airlines, Maritime Port Authority and Ministry of Defence. They are also needed in the oil and gas industries such as Brunei Shell Petroleum, Petroleum Brunei, Brunei LNG and various other industries in the public and private sectors. Graduates from the programme will have good job prospects in a variety of areas both locally and internationally.
ENTRY REQUIREMENTS (either one of the following requirements):

‘A’ Level:
CCC or 240 ‘A’ Level points in 3 ‘A’ Levels including Mathematics or Further Mathematics (Grade C or higher), Physics (Grade C or higher) and a relevant Science Subject (Design and Technology, Chemistry, Biology, and Computing).

or

BC or 180 ‘A’ Level points in 2 ‘A’ Levels, including Grade C or higher in both Mathematics and Physics, and a credit in ‘O’ Level Chemistry or equivalent.

International Baccalaureate:
28 points with minimum of 5 points in Physics, Mathematics and Chemistry at standard level or 4 points at higher level.

BTEC/BDTVEC Higher National Diploma or Advanced Diploma or its equivalent:
At least 60% or higher of the modules at Merit including 60% of the analytical modules as identified by the programme area.

For mature applicants:
Standard university requirements for mature candidates as prescribed by university regulations apply.

The aim of the programme is to produce qualified graduate mechanical engineers to meet the requirements of engineering organisations and industries. Graduates from the programme will be able to enter the workforce immediately or to further their studies in various fields of mechanical engineering at the postgraduate level. The programme is broad based and covers all general areas of mechanical engineering such as design, manufacturing, materials, applied mechanics and thermo-fluids.
YEARS 1
- Design, Drafting and Manufacture
- Engineering Mathematics 1
- Effective Communication
- Measurement and Instrumentation
- Engineering Materials
- Engineering Statics
- Engineering Mathematics 2
- Technical Communication
- Melayu Islam Beraja
- Computing for Engineers
- 1 elective module

YEARS 2
- Engineering Thermodynamics 1
- Fluid Mechanics 1
- Mechanics of Materials
- Engineering Mathematics 3
- Professional Ethics
- Design and Manufacture
- Engineering Dynamics
- Modelling and Simulation
- Engineering Management
- Environment, Leadership, Technopreneurship & Social Innovation (ELTS)
- 2 elective modules

YEARS 3
- Group Design Project
- Engineering Thermodynamics 2
- Fluid Mechanics 2
- Manufacturing Engineering
- Mechanics of Machines
- Heat Transfer
- Mechanical Vibrations
- Design of Machine Elements
- Industrial Automation and Control Systems
- 2 Selective modules

ExperiencePLUS
YEARS 4
- Final Year Project
- Advanced Engineering Materials
- Heating, Ventilation and Air Conditioning
- Computer Aided Manufacturing
- Power Plant Engineering
- 4 elective modules
PETROLEUM AND CHEMICAL ENGINEERING

Petroleum Engineering is concerned with the exploration, exploitation, drilling, production and design of surface facilities associated with recovering oil and gas from deep within the Earth.

Chemical Engineering is about the design, operation and optimisation of safe, environmentally-friendly, energy-efficient processes which convert raw materials to the useful products which we rely on in our everyday lives. Chemical Engineers have a wide choice of potential careers. They can be found working in a large variety of industries such as oil & gas, chemicals, biotechnology, pharmaceuticals, energy, water, food & drink production and fast-moving consumer goods, to name but a few. In Brunei, with a degree in Chemical Engineering, your career would most likely be in the oil and gas downstream sector. This is becoming an increasingly important growth area within the Brunei economy, and Chemical Engineering students should find themselves well placed amongst their peers to secure a job upon graduation.

Career Opportunities

Petroleum Engineers:
• Petroleum geologists
• Reservoir engineers
• Production engineers
• Drilling engineers
• Completion engineers

Chemical Engineers:
• Energy manager
• Quality manager
• Process Engineer
• Chemical Plant and System Operator
• Manufacturing Production Engineer
• Environmental and Healthcare Engineer
BACHELOR OF ENGINEERING (HONS) IN CHEMICAL ENGINEERING

ENTRY REQUIREMENTS
(either one of the following requirements):

‘A’ Level:
CCC or 240 ‘A’ Level points in 3 ‘A’ Levels in Physics, Chemistry and Mathematics (excluding Further Mathematics) at Grade C or better.

International Baccalaureate:
28 points with minimum of 5 points in Physics, Mathematics and Chemistry at standard level or 4 points at higher level.

BTEC/BDTVEC Higher National Diploma or Advanced Diploma or its equivalent:
At least 60% of the modules at Merit or higher including all analytical modules such as Mathematics and Fluid Mechanics.

Work Experience or other qualifications:
Relevant work experience and/or other qualifications deemed to be equivalent to one of the above to be decided on a case by case basis by the Faculty.

For mature applicants:
Standard university requirements for mature candidates as prescribed by university regulations apply.

YEAR 1
- Chemistry 1
- Effective Communication
- Engineering Mathematics I
- Melayu Islam Beraja
- Material and Energy Balances
- Introduction to Chemical Engineering
- Technical Communication
- Engineering Mathematics 2
- Computing for Engineers
- Chemistry 2
- Process Heat Transfer
- Mass Transfer

YEAR 2
- Engineering Mathematics 3
- Professional Ethics
- Renewable Energy Technologies
- Separation Processes 1
- Chemical Engineering Thermodynamics 1
- Fluid Mechanics
- Environment, Leadership, Technopreneurship & Social Innovation (ELTS)
- Engineering Management
- Chemical Engineering Laboratory 1
- Separation Processes 2
- Process Control and Instrumentation
- Computing for Process Engineers

YEAR 3
- Process Modelling and Simulation
- Reaction Engineering 1
- Chemical Process Technology
- Process Design
- Process Safety and Loss Prevention
- Computer Aided Process Engineering
- Chemical Engineering Thermodynamics 2
- Plant Design
- Mechanical Unit Operation
- Chemical Engineering Laboratory 2
- 2 elective modules

ExperiencePLUS

YEAR 4
- Final Year Project
- Transport Phenomena
- Energy Engineering and Planning
- Reaction Engineering 2
- Environmental Engineering
- 4 elective modules
BACHELOR OF ENGINEERING (HONS) IN PETROLEUM ENGINEERING

ENTRY REQUIREMENTS
(either one of the following requirements):

‘A’ Level:
CCC or 240 ‘A’ Level points in 3 ‘A’ Levels in Physics, Chemistry and Mathematics (excluding Further Mathematics) at Grade C or better.

International Baccalaureate:
28 points with minimum of 5 points in Physics, Mathematics, and Chemistry at standard level or 4 points at higher level.

BTEC/BDTVEC Higher National Diploma or Advanced Diploma or its equivalent:
at least 60% of the modules at Merit or higher including all analytical modules such as Mathematics, and Fluid Mechanics.

Work Experience or other qualifications:
Relevant work experience and/or other qualifications deemed to be equivalent to one of the above to be decided on a case by case basis by the Faculty.

For mature applicants:
Standard university requirements for mature candidates as prescribed by university regulations apply.
This programme has been developed to deepen students’ knowledge and skills in analysis and problem-solving, and therefore their ability to address new issues and challenges in all civil engineering disciplines. The programme thus aims to produce graduates who are equipped for professional roles in the civil engineering industry.

The programme aims to provide civil engineering graduates and practitioners with additional structured, formal training to complete the educational base for UK-SPEC Chartered Engineer under the institutions represented in the Joint Board of Moderators. Accreditation for the programme, as one meeting the requirements of Further Learning for registration as a Chartered Engineer (CEng), will be sought from the Joint Board of Moderators shortly.

**Programme Structure**

- Research Methods
- Numerical Analysis in Engineering
- Structural Engineering
- Advanced Geotechnical Engineering
- Construction Project Management
- Advanced Concrete Technology
- Research Project
- 2-3 elective modules
MASTER OF SCIENCE (BY COURSEWORK) IN MECHANICAL ENGINEERING

The programme is designed to provide advanced knowledge in mechanical engineering with sound engineering principles, research and communication skill for solving real life problems related to mechanical engineering.

Programme Structure
- Research Methods
- Advanced Engineering Thermodynamics
- Applied Fluid Dynamics
- Materials Failure Analysis and Prevention
- Product Design & Development
- Advanced Solid Mechanics
- Composite Structures
- Maintenance Management
- Research Project
- 3 elective modules

ENTRY REQUIREMENTS

A minimum of a Lower Second Class Honours Bachelor’s degree, or equivalent, in Mechanical Engineering or related discipline, recognised by the Senate of UTB.

At least a credit in English Language GCE ‘O’ Level or an IELTS score of 6.0 or a TOEFL minimum overall score of 550 or its equivalent.

The English Language requirements may be waived where qualifying studies in Higher Education were in the medium of English Language. Where candidates completed their higher education more than 2 years prior to their current application they will need to show that they have continued to study or work in the medium of English.
This Master’s programme in Water Resources and Environmental Engineering has been developed to address the increasing and evolving requirements for water and environmental engineers. The aim of the Master programme is to aid development by carrying out and supporting projects that abate water and environmental related problems and to offer advisory services to the government and other institutions in designing projects and programmes related to water resources and environmental engineering. The programme thus aims to produce graduates who are equipped for professional roles in the water resources and environmental engineering industry.

The MSc in Water Resources and Environmental Engineering programme is accredited by the Institution of Civil Engineers (ICE), the Institution of Structural Engineers (IStructE), the Chartered Institution of Highways and Transportation (CIHT) and the Institute of Highway Engineers (IHE) on behalf of the UK Engineering Council.

The programme is accredited as meeting the requirements for Further Learning for registration as a Chartered Engineer (CEng), for candidates who have already acquired a partial CEng accredited undergraduate first degree. Further information regarding JBM accreditation may be found from www.jbm.org.uk.

Programme Structure
- Research Methods
- Environmental Impact Assessment
- Wastewater Engineering
- Environmental Hydraulics
- Water Resources Engineering and Modelling
- Research Project
- 3 elective modules
MASTER OF SCIENCE (BY COURSEWORK) IN ELECTRICAL AND ELECTRONIC ENGINEERING

The aim of the MSc in Electrical and Electronic Engineering programme is to prepare students to work in the public and private sectors as well as pursuing further studies as a researcher. It also aims to provide continuing professional development opportunities related to the electrical and electronic engineering. In addition to the knowledge and understanding of electrical and electronic engineering the programme will provide an integrated understanding of power systems, communications systems, and develop leadership and inter-personal skills.

Programme Structure
- Research Methods
- Microelectronics
- Advanced Digital Communication
- Power System Analysis
- Insulation Coordination
- Wireless and Mobile Communications
- Advanced Fibre Optic Communication
- Power System Operation & Control
- Advances in Power Systems
- Research Project

ENTRY REQUIREMENTS

A BEng or equivalent in Electrical and Electronics Engineering or related discipline, recognised by UTB.

At least a credit in English Language GCE ‘O’ Level or an IELTS score of 6.0 or a TOEFL minimum overall score of 550 or its equivalent. The IELTS or TOEFL is to be taken within two years of the start date of the programme. The English Language requirements may be waived where qualifying studies in Higher Education were in the medium of English Language. Where candidates completed their higher education more than 2 years prior to their current application, they will need to show that they have continued to study or work in the medium of English.

Student who wish to be admitted as a mature candidate must satisfy the following minimum requirements;

- Applicants must have at least 3 years of relevant working experience for admission to Master’s Degree programme;

- At least a credit 6 in English Language at GCE ‘O’ Level Examination or a Grade ‘C’ in IGCSE English (as a Second Language) or a valid IELTS score of 6.0 or a TOEFL minimum overall score of 550;

- Satisfactory interview and/or entry test.

- Candidates with other qualifications will be considered on a case by case basis.
PROGRAMME LENGTH

**MSc by Research (Full Time)**
2 years of supervised study inclusive of writing-up period.

**MSc by Research (Part Time)**
4 years of supervised study inclusive of writing-up period.

**PhD (Full Time)**
3 years of supervised study inclusive of writing-up period.

**PhD (Part Time)**
6 years of supervised study inclusive of writing-up period.

RESEARCH AREAS

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

**CIVIL ENGINEERING**
- Construction Management
- Construction Materials
- Geotechnical Engineering
- Structural Engineering
- Transportation Engineering
- Water and Environmental Engineering

**ELECTRICAL AND ELECTRONIC ENGINEERING**
- Communications and Electronics
- Electrical Power
- Control Systems
- Computer and Embedded Systems

**MECHANICAL ENGINEERING**
- Applied Mechanics and Materials
- Design and Manufacturing
- Energy and Fluid Flow

**PETROLEUM AND CHEMICAL ENGINEERING**
- Modelling and Simulation
- Petroleum Engineering
- Process Safety
- Renewable Energies
Matius Anak Belayan  
BEng (Hons) in Civil Engineering

“UTB has a supportive and friendly ecosystem between the undergraduates and lecturers which helps facilitate learning. It shows constant improvement and I believe it is heading towards the right direction in becoming a well-established higher learning institution within the region.”

Dayang Affidah binti Darius  
BEng (Hons) in Mechanical Engineering

“Being the ‘mature’ student in the class gave me the pressure to work myself forward – especially after leaving school for many years. Alhamdulillah, although it has been a roller-coaster ride, I have managed to work my way through from Foundation Degree to Bachelor Degree in just four years! But bear in mind that with every struggle and hardship comes ease. Of course, I could not have achieved this without my wonderful lecturers and coursemates.”

Awangku Mohammad Zulfakhri bin Pengiran Awang  
BEng (Hons) in Electrical and Communication Engineering

“I was very fortunate and honoured to be given the opportunity to participate in programmes to represent Brunei Darussalam: Jenesys 2.0 programme in Japan and Huawei Seeds for the Future programme in China. From these programmes, I had the privilege to witness the differences in terms of culture, living and lifestyle, and the latest technologies between our country and theirs. Aside from that, I was also selected as an intern for the UTB ExperiencePLUS at Roxar Flow Measurement Company in Kuala Lumpur. During the internship, I gained the working experience that I believe will be valuable to me in terms of both management and technical aspects.”

Soong Siaw Yin  
BEng(Hons) in Electrical and Communication Engineering

“Four years passed so fast and I remember clearly how these years were challenging, but with the guidance and support from lecturers I was able to excel. If the opportunity arrives I would want to pursue my further studies after getting a broader view of a workplace. No words can express how thankful I am to the lecturers who groomed me to be who I am today. I believe what I have learnt all these years will take me to another chapter of life.”
In line with the ethos, vision and mission of UTB and the philosophy of MIB, all programmes offered by UTB School of Business aim to provide students with the skills and knowledge which will enable them to make practical and valuable contributions to national development.

The programmes are designed so that graduates will be equipped to cope with the challenges of a rapidly changing work environment. Teaching and learning are based on a balanced combination of knowledge acquisition, hands-on practice and work experience. In addition, students will be able to develop the skills necessary to become effective entrepreneurs and innovators and to respond to the changing environmental and socioeconomic needs of the nation.

The combination of business studies and IT opens up a wide range of careers in the public and private sectors of the economy. The degrees also provide a platform for entrepreneurship and/or further study at the graduate level. UTB School of Business offers six undergraduate and three graduate degree programmes under the following programme areas:

- Accounting
- Economics
- Management
PROGRAMMES OFFERED

UTB-SP Bridging Programme

BriBUS *(please refer to page 104)*

Undergraduate Programmes

**Accounting**
Bachelor of Business (Hons) in Accounting and Information Systems
Bachelor of Business (Hons) in Finance & Risk Management

**Economics**
Bachelor of Business (Hons) in Marketing and Information Systems
Bachelor of Business (Hons) in Applied Economics and Finance

**Management**
Bachelor of Business (Hons) in Business Technology Management
Bachelor of Business (Hons) in Business Information Management (Full Time & Part Time)

Graduate Programmes

Master of Science (MSc) in Management & Technology (Full Time & Part Time)
Master of Science by Research (Full Time & Part Time)
Doctor of Philosophy (PhD) (Full Time & Part Time)
UNDERGRADUATE PROGRAMME ENTRY REQUIREMENTS

Bachelor of Business (Hons) in:
- Marketing and Information Systems
- Business Information Management
- Business Technology Management

‘A’ Level:
CDD or 200 ‘A’Level points in 3 ‘A’ Levels in relevant English Medium subjects’.

or

BC or 180 ‘A’Level points in 2 ‘A’ Levels in relevant English Medium subjects’.

International Baccalaureate:
Minimum of 24 points in relevant subjects.

BTEC/BDTVEC Higher National Diploma or Advanced Diploma or its equivalent:
BTEC/BDTVEC HND or Advanced Diploma in Business or ICT fields with acceptable grades as specified by the faculty.

For mature applicants:
Standard university requirements for mature candidates as prescribed by university regulations apply.

 Relevant subjects include Accounting, Economics, Management of Business/Business Studies, Mathematics and Computer Studies/Computing, Additional Mathematics, Biology, Chemistry, Physics, English Literature, Geography, Public Affairs, History, Sociology, Psychology and Law.

Bachelor of Business (Hons) in:
- Accounting and Information Systems
- Finance and Risk Management
- Applied Economics and Finance

‘A’ Level:
CDD or 200 ‘A’Level points in 3 ‘A’ Levels in relevant English Medium subjects’.

or

BC or 180 ‘A’Level points in 2 ‘A’ Levels in relevant English Medium subjects’.

International Baccalaureate:
Minimum of 24 points in relevant subjects.

BTEC/BDTVEC Higher National Diploma or Advanced Diploma or its equivalent:
BTEC/BDTVEC HND or Advanced Diploma in Business fields with acceptable grades as specified by the School.

For mature applicants:
Standard university requirements for mature candidates as prescribed by university regulations apply.

 Relevant subjects include Accounting, Economics, Management of Business / Business Studies, Mathematics and Computer Studies, IT in a Global Society or Computer Science, Additional Mathematics, Chemistry and Physics.
ACCOUNTING
PROGRAMME AREA

BACHELOR OF BUSINESS (HONS) IN ACCOUNTING AND INFORMATION SYSTEMS

This programme combines the detailed orientation of an Accounting degree with focus on information systems to create value for today’s business. It is structured to assist in the intellectual, social and personal development of the student as a preparation for entrance to a range of business professions and able to satisfy the academic requirements of accounting professional bodies and it is in the process of getting exemptions from ACCA. This programme prepares students for specialised careers in accounting, auditing, consulting and business analysis.

Its graduates work for government, public accounting firms, insurance companies, financial institutions and other major business corporations. All UTB School of Business Programmes are applied in nature and uses business tools such as SAP, Planners Lab, SPSS and others which are an added value for employability.

Programme Length: 4 Years

YEAR 1
- Melayu Islam Beraja
- Effective Communication
- Principles of Microeconomics
- Business Statistics
- Business Information Systems
- Environment, Leadership, Technopreneurship and Social Innovation
- Financial Accounting
- Principles of Marketing
- Principles of Macroeconomics
- Introduction to Computer Logic

YEAR 2
- Business and ICT Law
- Principles of Management
- Business Strategy, Ethics & CSR
- Human Resource Management
- Database Systems
- Managerial Accounting
- Financial Management
- Financial Reporting
- International Taxation
- Auditing and Assurance

YEAR 3
- Strategic Financial Management
- Corporate Reporting
- Non-Programme Specific Module
- Accounting Information Systems
- Work Placement

YEAR 4
- Governance and Risks
- Research Methodology
- Technopreneurship
- Advanced Performance Management
- Strategic Business Leader
- Group Project
- Final Year Project

This programme combines the detailed orientation of an Accounting degree with focus on information systems to create value for today’s business. It is structured to assist in the intellectual, social and personal development of the student as a preparation for entrance to a range of business professions and able to satisfy the academic requirements of accounting professional bodies and it is in the process of getting exemptions from ACCA. This programme prepares students for specialised careers in accounting, auditing, consulting and business analysis.

Its graduates work for government, public accounting firms, insurance companies, financial institutions and other major business corporations. All UTB School of Business Programmes are applied in nature and uses business tools such as SAP, Planners Lab, SPSS and others which are an added value for employability.

Programme Length: 4 Years

YEAR 1
- Melayu Islam Beraja
- Effective Communication
- Principles of Microeconomics
- Business Statistics
- Business Information Systems
- Environment, Leadership, Technopreneurship and Social Innovation
- Financial Accounting
- Principles of Marketing
- Principles of Macroeconomics
- Introduction to Computer Logic

YEAR 2
- Business and ICT Law
- Principles of Management
- Business Strategy, Ethics & CSR
- Human Resource Management
- Database Systems
- Managerial Accounting
- Financial Management
- Financial Reporting
- International Taxation
- Auditing and Assurance

YEAR 3
- Strategic Financial Management
- Corporate Reporting
- Non-Programme Specific Module
- Accounting Information Systems
- Work Placement

YEAR 4
- Governance and Risks
- Research Methodology
- Technopreneurship
- Advanced Performance Management
- Strategic Business Leader
- Group Project
- Final Year Project

This programme combines the detailed orientation of an Accounting degree with focus on information systems to create value for today’s business. It is structured to assist in the intellectual, social and personal development of the student as a preparation for entrance to a range of business professions and able to satisfy the academic requirements of accounting professional bodies and it is in the process of getting exemptions from ACCA. This programme prepares students for specialised careers in accounting, auditing, consulting and business analysis.

Its graduates work for government, public accounting firms, insurance companies, financial institutions and other major business corporations. All UTB School of Business Programmes are applied in nature and uses business tools such as SAP, Planners Lab, SPSS and others which are an added value for employability.

Programme Length: 4 Years

YEAR 1
- Melayu Islam Beraja
- Effective Communication
- Principles of Microeconomics
- Business Statistics
- Business Information Systems
- Environment, Leadership, Technopreneurship and Social Innovation
- Financial Accounting
- Principles of Marketing
- Principles of Macroeconomics
- Introduction to Computer Logic

YEAR 2
- Business and ICT Law
- Principles of Management
- Business Strategy, Ethics & CSR
- Human Resource Management
- Database Systems
- Managerial Accounting
- Financial Management
- Financial Reporting
- International Taxation
- Auditing and Assurance

YEAR 3
- Strategic Financial Management
- Corporate Reporting
- Non-Programme Specific Module
- Accounting Information Systems
- Work Placement

YEAR 4
- Governance and Risks
- Research Methodology
- Technopreneurship
- Advanced Performance Management
- Strategic Business Leader
- Group Project
- Final Year Project
BACHELOR OF BUSINESS (HONS) IN FINANCE & RISK MANAGEMENT

This programme combines the detailed orientation of a Finance degree with specialization in Risk Management. Finance is a fast-growing employment field with roots in accounting and economics, but has developed its own unique framework of knowledge. There is an increasing demand for graduates who are aware of the connection between finance and risk, and able to properly manage this relationship. This programme provides all the technical tools and knowledge that a risk specialist needs to work in any type of organisations. On completion of this programme, the students will be well prepared to follow a career in the fields of risk management or risk analysis in banks, government agencies, portfolio management companies, corporate treasury, risk management software implementation companies, specialised finance boutiques and hedge funds. All UTB School of Business Programmes are applied in nature and uses business tools such as SAP, Planners Lab, SPSS and others which are an added value for employability.

Programme Length: 4 Years
ECONOMICS
PROGRAMME AREA

BACHELOR OF BUSINESS (HONS) IN MARKETING AND INFORMATION SYSTEMS

This programme introduces students to the theoretical and applied concepts in marketing as well as the analysis of business problems to provide solutions in the complex business environment with critical focus on sales targets and profit maximization. Rapid emergence of global Knowledge Economy has changed the marketing concept significantly which produce tangible and intangible products.

The course content in this programme has the right mixture of theoretical and application based marketing, product development, market research, consumer behaviour, project management and applied marketing related modules. The career prospects for the students are well diverse. Their skill set can be used either in the private or government sectors in the areas of brand management, retailing, corporate communications, product development, services industry, academic, marketing analyst and media consultancy, etc.

Programme Length: 4 Years

YEAR 1
- Melayu Islam Beraja
- Effective Communication
- Principles of Microeconomics
- Business Statistics
- Business Information Systems
- Environment, Leadership, Technopreneurship and Social Innovation
- Financial Accounting
- Principles of Macroeconomics
- Principles of Marketing
- Introduction to Computer Logic

YEAR 2
- Business and ICT Law
- Principles of Management
- Business Strategy, Ethics & CSR
- Human Resource Management
- Database Systems
- Market and Business Research
- Internet & Multimedia
- e-Business
- International Marketing

YEAR 3
- Consumer Behaviour
- Retail Management
- Non-Programme Specific Module
- New Product Development and Commercialisation
- Interactive Services Marketing
- Work Placement

YEAR 4
- Marketing Communications and Branding
- Technopreneurship
- Research Methodology
- Business Project Management
- Group Project
- Final Year Project
BACHELOR OF BUSINESS (HONS) IN APPLIED ECONOMICS AND FINANCE

Our four-year honours Applied Economics and Finance degree provides an excellent academic foundation for anyone interested in a career in almost all the sectors of commerce and industry. This programme will give you a strong understanding of economics and finance while developing your ability to apply this knowledge to a range of real world situations. Today private companies and public organisations need leaders and managers who understand economics and business, as well as technology. This degree programme will provide you with essential economics, finance and technology related skills and thus prepares you for a wide range of jobs in the private and public sectors. Furthermore, the successful completion of this degree programme prepares you for further study in economics and finance, besides making you eligible for a variety of careers locally and regionally such as business administration, finance, banking, consulting, public sector management and policy, private sector entrepreneurship, education sector and research.

Programme Length: 4 Years

YEAR 1
- Melayu Islam Beraja
- Effective Communication
- Principles of Microeconomics
- Business Statistics
- Business Information Systems
- Environment, Leadership, Technopreneurship and Social Innovation
- Financial Accounting
- Principles of Macroeconomics
- Principles of Marketing
- Introduction to Computer Logic

YEAR 2
- Business and ICT Law
- Principles of Management
- Business Strategy, Ethics & CSR
- Human Resource Management
- Database Systems
- Technology and Public Economics
- Islamic Economics
- Quantitative Methods
- Money and Banking
- Corporate Finance

YEAR 3
- Econometrics
- Financial Economics
- Non-Programme Specific Module
- Financial Risk Management
- International Economics
- Work Placement

YEAR 4
- Technopreneurship
- Research Methodology
- Islamic Finance and Investment
- Natural Resource and Environmental Economics
- Group Project
- Final Year Project
This course will enable you to develop an understanding of technology management techniques so you have the capability to accept broader and more responsible roles (both technical and managerial) within a continually changing environment. It also aims to engender an understanding of the management role in the investigation, implementation and operation of manufacturing and service systems. Unlike traditional business programmes, this programme immerses you in case studies on integrating new technology, the benefits of technology infrastructure, and problem solving through technology.

This specialised knowledge of technology as a problem solving tool and change driver allows Technology Management graduates to develop into more effective managers and leaders, and to adapt more readily to changes in the marketplace. The course content in this programme has the right mixture of business and technology-based modules. You will gain transferable skills that include IT, analytical, numerical, communication, teamwork, decision making and leadership. In addition, you will be able to develop the skills necessary to become effective technopreneurs and innovators and to respond to the changing environmental and socio-economic needs of the nation.

This programme prepares you to have careers at management level in various industries such as banks, insurance companies, technology-based companies, government sectors and many more. It also gives you an edge as all modern businesses use technology to certain extent. All UTB School of Business Programmes are applied in nature and uses business tools such as SAP, Planners Lab, SPSS and others which are an added value for employability.

Programme Length: 4 Years
BACHELOR OF BUSINESS (HONS) IN BUSINESS INFORMATION MANAGEMENT (FULL TIME & PART TIME)

In line with the ethos, vision and mission of Universiti Teknologi Brunei [UTB] and the philosophy of MIB, all degree programme offered by UTB aim to provide students with the skills and knowledge which will enable them to make practical and valuable contributions to national development. The programme is designed so that graduates will be equipped to cope with the challenges of a rapidly changing work environment. Teaching and learning are based on a balanced combination of knowledge acquisition, hands-on practice and work experience. In addition, students will be able to develop the skills necessary to become effective administrators and managers, technopreneurs and innovators and to respond to the changing environmental and socioeconomic needs of the nation.

Programme Length: 4 Years

Full-Time Programme Structure

YEAR 1
• Melayu Islam Beraja
• Effective Communication
• Principles of Microeconomics
• Business Statistics
• Business Information Systems
• Environment, Leadership, Technopreneurship and Social Innovation
• Financial Accounting
• Principles of Marketing
• Principles of Macroeconomics
• Introduction to Computer Logics

YEAR 2
• Business and ICT Law
• Principles of Management
• Business Strategy, Ethics and CSR
• Human Resource Management
• Database Systems
• Decision Support Systems
• e-Business Fundamentals
• Introduction to Web Development
• Systems Analysis and Design

YEAR 3
• Business Intelligence
• Information Systems and Strategic Management
• Business Project Management
• Non-Programme Specific Module
• Risk Management of E-Business
• Work Placement

YEAR 4
• Customer Knowledge Management and Social Media Analytics
• Information System Auditing
• Research Methodology
• Technopreneurship
• Information Security Management
• Group Project
• Final Year Project
Part-Time Programme Structure

YEAR 1
• Melayu Islam Beraja
• Effective Communication
• Principles of Microeconomics
• Business Information Systems
• Environment, Leadership, Technopreneurship and Social Innovation
• Financial Accounting
• Principles of Marketing
• Introduction to Computer Logics

YEAR 2
• Business and ICT Law
• Business Statistics
• Principles of Management
• Principle of Macroeconomics
• Database Systems
• Decision Support Systems
• Business Strategy, Ethics and CSR
• Human Resource Management
• e-Business Fundamentals

YEAR 3
• Risk Management of E-Business
• Introduction to Web Development
• Information Systems and Strategic Management
• System Analysis and Design
• Business Intelligence
• Information Systems Auditing
• Business Project Management
• Non-Programme Specific Module

YEAR 4
• Technopreneurship
• Research Methodology
• Information Security Management
• Customer Knowledge Management and Social Media Analytics
• Group Project
• Final Year Project

ADMISSION REQUIREMENTS FOR PART TIME

General:
At least a credit or equivalent in English Language GCE O-level or IELTS score of 6.0 or TOEFL minimum overall score of 550 or its equivalent. The English Language requirements may be waived where qualifying studies in Higher Education were in the medium of English Language, however, where candidates completed their higher education more than 2 years prior to their current application they will need to show that they have continued to study or work in the medium of English.

BTEC/BDTVEC National Diploma:
BDTVEC/BTEC ND Business or Computing with at least 7 years working experience which is related to Business. Other NDs may be accepted on a case by case basis provided their working experience is related to the programme and also subject to satisfactory admission interview.

BTEC/BDTVEC Higher National Diploma or Advanced Diploma or its equivalent:
BTEC/BDTVEC Higher National Diploma or Advanced Diploma or its equivalent in Business or Computing with at least 3 years of relevant work experience. Non-business or computing fields may be accepted subject to satisfactory admission interview. The HND qualification must be obtained within the last 5 years.

‘A’ Level:
At least 1 (one) ‘A’ level pass in relevant English medium subjects with at least 7 years working experience which is related to Business.

For mature applicants:
Standard university requirements for mature candidates as prescribed by university regulations apply.
MASTER OF SCIENCE (MSC) IN MANAGEMENT & TECHNOLOGY

ENTRY REQUIREMENTS

At least a second-class honours Bachelors degree, or equivalent, recognised by the Senate of UTB.

At least a credit or equivalent in English Language GCE O-level or an IELTS score of 6.0 or a TOEFL minimum overall score of 550 or its equivalent.

The English Language requirements may be waived where qualifying studies in Higher Education were in the medium of English Language. Where candidates completed their higher education more than 2 years prior to their current application they will need to show that they have continued to study or work in the medium of English.

For mature applicants: Standard university requirements for mature candidates as prescribed by university regulations apply.

The MSc in Management and Technology programme aims to produce executives and managers in both government and private sectors, incubators and start-up companies to be leaders in technology ventures, who are able to apply their knowledge and skills of management in the planning, analysis, and supervision of works in related organizations, solve problems critically, communicate effectively and possess entrepreneurial skills. You’ll enhance the skills and awareness needed to operate effectively in different types of organisations. The degree provides you with a solid understanding of how organisations work. The programme is an excellent choice as a path into business technology and management. It’s also for those looking to gain a competitive edge in today’s job market. UTB School of Business is offering MSc Management and Technology to meet the needs of professionals who aspire to, or hold management post in technical and non-technical organizations.

If you have a strong interest in business management and our MSc Management & Technology will be ideally suited to you. Unlike any other, this progressive programme will prepare you for leading technology management roles across all industries. You will find this programme exciting, challenging and rigorous. It combines theory with practical case studies, and encourages learning through research, analysis, and critical discussion. You will also gain an invaluable understanding of the wider social, economic and managerial context in which technology and organisations are developed and managed. Our learning approach places emphasis on theory and critical discussion of academic literature from across a range of scientific fields. We include social theories and frameworks for understanding the processes of information systems-technology and innovation and industry case studies for illustrating issues in particular instances of management and innovation practice.

Programme Length: 1 Year (2 Semesters)
SEMESTER 1
• Strategy Management
• Research Methodology
• Human Capital Management
• Leadership
• Management of Innovation and Technology

SEMESTER 2A
• Technopreneurship and Innovation
• Accounting and Finance for Managers
• Production and Operations Management
• Management Information Systems
• Data Science for Business (Elective)

SEMESTER 2B
• Research Project

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**Nur Suaidah Hj Awang Besar**

“I found the module offered in the programme very informative motivating and I believe my knowledge and skills have increased from the lecture, tutorial and assignments”

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**Adibah Hj Abidin**

“In UTB School of Business, I had collected a lot of good experience that I never had when I studied in UK for my undergraduate. I learnt a lot through writing reports for solving business problems. Tutorials was very helpful in making me understand more in-depth about the subject that was explained in the lecture. I learnt to speak up my mind even it’s wrong I can always learn from mistake. These values I believe not only helped me to improve academically but also personally with positive attitude”

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**Diyana Najwa Ali**

“The programme has increased my interest in learning all the theoretical parts of all the modules. It has helped a lot in gaining soft skills which is useful for my study and employability. Further, I gained analytical skills in doing the tutorials and working effectively in group. It is quite interesting because we got opportunity to have lecture delivered by industrial experts such General Manager of Telecommunication Company”
MASTER OF SCIENCE (MSC) IN MANAGEMENT & TECHNOLOGY (PART TIME)

ENTRY REQUIREMENTS

At least a second-class honours Bachelors degree, or equivalent, recognised by the Senate of UTB.

At least a credit or equivalent in English Language GCE O-level or an IELTS score of 6.0 or a TOEFL minimum overall score of 550 or its equivalent.

The English Language requirements may be waived where qualifying studies in Higher Education were in the medium of English Language. Where candidates completed their higher education more than 2 years prior to their current application they will need to show that they have continued to study or work in the medium of English.

Mature candidates who do not meet the above minimum requirements but have significant relevant work experience are encouraged to apply.

Admissions criteria for matured candidates are in place and such applications shall be considered on a case by case basis.

The part-time programme format is designed to help you balance your demanding career and commitments with intensive study and professional, as well as personal, development. Building on your first degree and/or professional experience, you’ll study contemporary theory on leading and managing people and be exposed to leading industry practices to develop your expertise in the effective management of people and technology in technical and non-technical contexts. The programme is an excellent choice as a path into business technology and management.

We emphasise translating academic research and learning to real work situations in order to develop your professional and managerial skills. We do this by engaging you in real-world issues through, for example, case studies based on investigative projects. You’ll be prepared for range of managerial and operational roles, where a key responsibility lies in managing, supporting and developing an organisation’s strategy, human resources and technology in global and culturally diverse settings.

Programme Length: 2 Years (4 Semesters)
**SEMMESTER 1 AUGUST (YEAR 1)**
- Strategy Management
- Human Capital Management
- Leadership

**SEMMESTER 2 JANUARY (YEAR 1)**
- Accounting and Finance for Managers
- Management of Innovation & Technology
- Research Methodology

**SEMMESTER 3 AUGUST (YEAR 2)**
- Technopreneurship & Innovation Management
- Production & Operations Management
- Management Information Systems
- Data Science for Business (Elective)

**SEMMESTER 4 JANUARY (YEAR 2)**
- Research Project

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**Siti Nasyroh Mat Nayan**

“Lectures conducted in class often portrayed actual life experience with relation to case study makes the students more understand the subject. Usage of case studies and examples are also direct to local Brunei context and neighboring countries that make it more interesting. The knowledge that I gained is an added value to my current profession that can be shared and practiced”

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**Mohammed Arif Idrus**

“Studying this course is just like entering a whole new world. It has opened my eyes to new perspectives. There are number of interesting frameworks and models that I learnt which is applicable to work practice. The learning environment has given opportunity to discuss and engage with my peers that is very exciting and brain stimulating”

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**Dk Rodzi Pg Hj Abd. Rahman**

“The MSc part-time gives me a chance to meet new people and establish network with students of different profession and industry”
MASTERS BY RESEARCH AND PHD

RESEARCH AREAS
Research areas include (but are not limited to) the following:

MANAGEMENT
- Human Capital Management
- Strategy Management
- Knowledge Management
- Operations Management
- Management Information Systems
- e-Government
- Business Intelligence Systems
- Data Science for Business

ECONOMICS
- Entrepreneurship
- Innovation Management
- Technopreneurship
- Economics

ACCOUNTING AND FINANCE
- Corporate Finance
- Financial Risk Management
- Accounting Information Systems & Reporting
- Performance Measurement
- Mathematical Finance and Financial Markets

PROGRAMME LENGTH

MSc by Research (Full Time)
2 years of supervised study inclusive of one year writing-up period. The submission of thesis is before the end of the writing-up period.

MSc by Research (Part Time)
4 years of supervised study, inclusive of one year writing-up period. The submission of thesis is before the end of the writing-up period.

PhD (Full Time)
3 years of supervised study inclusive of one year writing-up period. The submission of thesis is before the end of the writing-up period.

PhD (Part Time)
6 years of supervised study, inclusive of one year writing-up period. The submission of thesis is before the end of the writing-up period.
SCHOOL OF COMPUTING AND INFORMATICS

School of Computing and Informatics (SCI) was originated from the Department of Computing and Information Systems that was established in 1986 when Universiti Teknologi Brunei (UTB) was still at its infancy. It was then made one of the departments under the School of Business and Management in 2003. When UTB was upgraded to a university in 2008, it became a programme area under the Faculty of Business and Computing. Recognising the rapid growth in the fields of dedicated computing systems and creative informatics, SCI was formed in 2014 and consists of three programme areas:

- Creative Computing (CC)
- Computer and Information Systems (CIS)
- Computer Network and Security (CNS)

As part of the journey to the University's aspiration to become a global university impacting society, our mission is to produce graduates with exceptional lifelong-learning skills and relevant competencies through innovative teaching and research. Our school has successfully produced Computing and Informatics professionals and we will continue to be the main driver in the areas of strategic importance nationally and globally. The school is also committed to organise the International Conference on Computational Intelligence in Information Systems (CIIS), held bi-annually. The next 4th CIIS 2020 will be held on 19th October to 21st October 2020. CIIS aims to provide an opportunity to research scholars, academicians, industrialists and research students to interact and share their experience and knowledge in the recent technological advancements in the field of Computing and Information Systems.

The school is currently offering undergraduate programmes, postgraduate degree by coursework, and by research, and customised short courses on need basis. SCI is an Educational Affiliate of the British Computer Society (BCS), the Chartered Institute of IT, and five of its undergraduate programmes are accredited by BCS.
PROGRAMMES OFFERED

UTB-SP Bridging Programme

BriCOMP (please refer to page 104)

Undergraduate Programmes

Creative Computing
Bachelor of Science (Hons) in Digital Media
Bachelor of Science (Hons) in Creative Multimedia

Computer and Information Systems
Bachelor of Science (Hons) in Internet Computing (Part Time)
Bachelor of Science (Hons) in Computing

Computer Network and Security
Bachelor of Science (Hons) in Computer and Information Security
Bachelor of Science (Hons) in Computer Networking

Graduate Programmes

Master of Science in Computing and Information Systems (Full Time)
Master of Science in Information Security (Full Time & Part Time)
Master of Science by Research (Full Time & Part Time)
Doctor of Philosophy (PhD) (Full Time & Part Time)

1: This degree has been accredited by BCS (British Computer Society), The Chartered Institute for IT. Accreditation is a mark of assurance that the degree meets the standards set by BCS. An accredited degree entitles you to professional membership of BCS, which is an important part of the criteria for achieving Chartered IT Professional (CITP) status through the Institute.

Some employers recruit preferentially from accredited degrees, and an accredited degree is likely to be recognised by other countries that are signatories to international accords.
UNDERGRADUATE PROGRAMME ENTRY REQUIREMENTS

Bachelor of Science (Hons) in:
- COMPUTING
- CREATIVE MULTIMEDIA
- DIGITAL MEDIA
- COMPUTER AND INFORMATION SECURITY
- COMPUTER NETWORKING

‘A’ Level:
CDD or 200 ‘A’ Level points in 3 ‘A’ Levels including:
- One subject from Group A1, two from Group A2 or;
- Two subjects from Group A1, one from A2 or;
- Three subjects from Group A1

or

BC or 180 ‘A’ Level points in 2 ‘A’ Levels including:
- One subject from Group A1, one from Group A2 or;
- Two subjects from Group A1.

International Baccalaureate:
Minimum of 24 points including:
- One subject from Group B1, two from Group B2 or;
- Two subjects from Group B1, one from B2.

(BDTVEC/BTEC/NCC) L5 Diploma or its equivalent:
(BDTVEC/BTEC/NCC) L5 Diploma in Computing, Business Fields, or Information Technology related fields with acceptable grades as specified by the School. The L5 Diploma qualification must be obtained within the last 2 years. Other applicants, who obtained their L5 Diploma more than 2 years before the proposed admission date, will be considered on a case-by-case basis, with relevant work or other experience.

For mature applicants:
Both in the public and private sector, who have at least 3 years of relevant work experience in the field, and at least passed 1 ‘A’ Level in relevant subject or a relevant L4 Diploma/HNTec or its equivalent, recognised by UTB Senate, are eligible to apply and will be considered on a case-by-case basis. Standard university requirements for mature candidates as prescribed by university regulations apply.
BSc (Hons) in Computing
BSc (Hons) in Computer & Networking
BSc (Hons) in Computer & Information Security

‘A’ Level

Group A1
Mathematics
Further Mathematics
Physics
Computer Studies / Science
Thinking Skills

Group A2
Applied ICT/IT
Accounting
Biology
Business Studies
Chemistry
Design & Technology
Economics
Geography
History
Psychology
Sociology
English Literature
Media Studies
Travel & Tourism

International Baccalaureate Diploma

Group B1
Mathematics
Physics
Computer Studies / Science

Group B2
Biology
Business Management
Chemistry
Design & Technology

Group B2
Economics
Geography
History
Psychology
English Literature
Bachelor of Science (Hons) in:
Internet Computing (Part-Time)

At least a Credit Six in Mathematics at GCE Ordinary Level or its equivalent.

At least a Credit Six in English Language at GCE Ordinary Level or an IELTS score of 6.0 or TOEFL minimum overall score 550 or its equivalent. The English Language requirements may be waived where qualifying studies in Higher Education were taught in English, however, where candidates completed their higher education more than 2 years prior to their current application they will need to show that they have continued to study or work in English.

In general, qualifications offered to meet entry requirements should be recognised by Senate UTB and in a relevant discipline. Our entry requirements can be satisfied in ONE OF THE 3 WAYS listed below:

1. BTEC/BDTVEC/NCC Level 5 Diploma or equivalent in Computing or IT related areas with at least 3 years of relevant work experience. Non-Computing fields may be accepted subject to satisfactory admission interview. The Level 5 Diploma qualification must be obtained within the last 5 years.

2. BDTVEC/BTEC/NCC Level 4 Diploma or equivalent in Computing or IT related areas with at least 7 years working experience related to Computing. Other Level 4 Diplomas may be accepted on a case by case basis provided their working experience is related to the programme and also subject to satisfactory admission interview.

3. At least 1 (one) ‘A’ level pass in relevant English medium subjects with at least 7 years working experience which is related to Computing field, and subject to satisfactory admission interview. Any other qualifications and/or work experience will be decided on a case by case basis.
The main aim of the programme is to meet the demands of the fast-growing creative industries where highly capable and multi-skilled graduates are being sought after. The programme addresses the skills shortage by providing potential students with the fundamental knowledge and skills that will be attractive to future employers. The programme has been developed with good industry links to ensure that the graduates are equipped with the necessary knowledge and skills that meet the ever-changing and dynamic demands of the creative industries. The programme also inculcates research attitude in students by promoting problem-solving skills and engaging students with newly developed technologies in creative industries.

Mature candidates, both in the public and private sector, who have significant relevant experience in the field, and relevant qualifications at HND or equivalent level, will also be eligible to apply for this programme.

The degree programme consists of relevant modules in computing, information technology, as well as relevant modules in designs and creative computing. The final year project is significant and extremely relevant to the future undertakings of the students. Emphasis is placed on the practical application of the theories and principles developed in the modules.

Undergraduate programmes offered:
- Bachelor of Science (Hons) in Digital Media
- Bachelor of Science (Hons) in Creative Multimedia
BACHELOR OF SCIENCE (HONS) IN DIGITAL MEDIA

The digital media programme aims to provide the fundamental knowledge of serious games and virtual environments, nurture game programming skills, creative problem solving skills, and inculcate communication skills and positive values. Throughout the programme, theoretical understanding, technical and practical skills will be developed from the ground up. The programme also inculcates soft skills through various student-centred workshop activities and instils research attitude by engaging various research activities in relevant industries.

Career Opportunities
With a degree in digital media, employment can be sought in both local and international creative industries. This includes game developers, interactive multimedia applications developers, rich internet applications developers, virtual environment applications developers, special effects programmers, sound designers, 3D graphics programmers, production managers, project managers, creative directors, and researchers.

Programme Length: 4 Years

YEAR 1
- Melayu Islam Beraja
- Effective Communication
- Computational Mathematics
- Fundamentals of Information Systems
- Programming I
- Fundamentals of Creative Programming
- Systems Analysis & Design
- Programming II
- Fundamentals of Creative Authoring Tools
- Computer Systems Architecture
- Environment, Leadership, Technopreneurship & Social Innovation (ELTS)

YEAR 2
- Digital Art & Design
- Programming III
- Introduction to Audio-Visual Production
- Human Computer Interaction
- Creative Technology I
- Cinematic Special Effects
- Creative Technology II
- Artificial Intelligence for Games I
- Modelling in 3D

YEAR 3
- Research Methods
- Professional Communication
- Non Specific Programme Module**
- Computing Group Project
- Work Placement

YEAR 4
- Digital Narrative
- Artificial Intelligence for Games II
- Virtual & Augmented Reality I
- Virtual & Augmented Reality II
- Final Year Project
BACHELOR OF SCIENCE (HONS) IN CREATIVE MULTIMEDIA

The creative multimedia programme aims to provide the fundamental knowledge of creative technology, nurture creative practical skills and problem solving skills, and inculcate communication skills and positive values. Throughout the programme, theoretical understanding, technical and practical skills will be developed from the ground up. The programme also inculcates soft skills through various student-centred workshop activities and instils research attitude by engaging various research activities in relevant industries.

Career Opportunities
With a degree in creative multimedia, employment can be sought in both local and international creative industries. This includes content developers, interactive multimedia applications developers, rich internet applications developers, digital artists, 3D modellers, 3D riggers, 2D/3D animators, special effects specialists, sound designers, graphics designers, production managers, project managers, creative directors, and researchers.

Programme Length: 4 Years

YEAR 1
- Melayu Islam Beraja
- Effective Communication
- Computational Mathematics
- Fundamentals of Information Systems
- Programming I
- Fundamentals of Creative Programming
- Systems Analysis & Design
- Programming II
- Fundamentals of Creative Authoring Tools
- Computer Systems Architecture
- Environment, Leadership, Technopreneurship & Social Innovation (ELTS)

YEAR 2
- Digital Art & Design
- Programming III
- Introduction to Audio-Visual Production
- Human Computer Interaction
- Creative Technology I
- Advanced Audio-Visual Production
- Cinematic Special Effects
- Motion Graphic Design
- Modelling in 3D

YEAR 3
- Research Methods
- Professional Communication
- Non Specific Programme Module**
- Computing Group Project
- Work Placement

YEAR 4
- Digital Narrative
- Emotions Engineering
- Animation I
- Animation II
- Final Year Project
The Computer Information Systems (CIS) programme area offers several programmes which are built on a solid foundation of general computing and information technology skills and emphasise practical applications. Teaching and learning are based on a balanced combination of knowledge acquisition, hands-on practice and work experience. Students will be equipped with technical skills, such as: design and programming skills; knowledge of current and emerging technologies; and necessary soft skills in research, communication, teamwork and entrepreneurship to build a rewarding career in this dynamic, exciting and crucial field.

Our undergraduate and postgraduate programmes (by coursework) are reviewed to ensure we maintain academic quality, a good student experience and equip our graduates to meet the challenges of a modern economy and afford the best opportunities in future. Our review process features feedback from students, industry representatives and accrediting bodies. Time to time we revive our existing curriculum and introduce new degree programmes to benefit our students to impart latest technologies as well as to increase their career opportunities.

Undergraduate programmes offered:
- Bachelor of Science (Honours) in Computing (Major in Data Analytics or Major in Software Development) (Full Time)
- Bachelor of Science (Hons) in Internet Computing (Part Time)

Postgraduate programmes offered:
- Master of Science in Computing and Information Systems (Full Time)
BACHELOR OF SCIENCE (HONS) IN COMPUTING*

Bachelor of Science (Hons) Computing with a Major in Software Development or a Major in Data Analytics have diverse skills and hence they are highly regarded by employers from various industries. The job market for these graduates include: Programmer, Web designer/Developer, MIS executive, Project officer, Software engineer, IT technical support, Graphics designer.

**Career Opportunities**
As an added advantage, those with a Major in Software Development could further explore career openings pertaining to Mobile apps development, Project management executive and so on.

On the other hand graduates with a Major in Data Analytics has an added advantage to further explore career openings relevant to Junior data scientist/analyst, Business Intelligence Developer, AI engineer and so on.

**Programme Length: 4 Years**

**YEAR 1**
- Melayu Islam Beraja
- Effective Communication
- Computational Mathematics
- Fundamentals of Information Systems
- Fundamentals of Programming
- Ethics, Legal and Professional Issues
- Systems Analysis and Design
- Object Oriented Programming
- Introduction to Multimedia
- Fundamentals of Data Analytics
- ‘Environment, Leadership, Technopreneurship and Social Innovation

**YEAR 2**
- Data Structures and Algorithms
- Database Systems Design and Implementation
- Data and Computer Networking
- Introductory Statistics
- Web Development 1
- Computer Security Fundamentals

**Major in Software Development**
- Software Engineering
- Human Computer Interaction

**Major in Data Analytics**
- Data Mining & Predictive Modeling
- Data Management & Business Intelligence

**YEAR 3**
- Professional Communication
- Research Methodology
- Non-Programme Module
- Computing Group Project
- Work Placement

**YEAR 4**
- Final Year Project

**Major in**

**Software Development**
- Web Development 2
- IT Project Management
- Mobile Application Development

**Major in**

**Data Analytics**
- Artificial Intelligence
- Big Data Analytics
- Advanced Data Mining

Three short electives or one short and one comprehensive elective module from the major options

*Subject to change*
BACHELOR OF SCIENCE (HONS) IN INTERNET COMPUTING (PART-TIME)

The programme is aimed at:
- HND graduates who are currently employed.
- Mature candidates, both in the public and private sector, who have significant relevant experience in the field, and relevant qualifications at HND or equivalent level, will also be eligible to apply.

Career Opportunities
Bachelor of Science (Hons) in Internet Computing graduates have diverse skills and hence they are highly regarded by employers from various industries. The job market for these graduates include: Programmer, Web designer/Developer, MIS executive, Project management executive, Software engineer, IT technical support, Graphics designer, Mobile apps developer, Multimedia content designer/developer and so on.

Programme Length: 5 Years

YEAR 1
- Melayu Islam Beraja
- Effective Communication
- Computational Mathematics
- Environment, Leadership, Technopreneurship and Social Innovation
- Programming I
- Introduction to Multimedia and the Internet

YEAR 2
- Programming II
- Systems Analysis and Design
- Database Systems Design and Implementation
- Programming III
- Web Development 1
- Fundamentals of Data Analytics

YEAR 3
- Computer Security Fundamentals
- Data and Computer Networking
- Ethics and Innovation in Information Technology
- Professional Communication
- Internet Technologies
- Human Computer Interaction
- People and Security

YEAR 4
- Non-Programme Module
- IT Project Management
- Web Development 2
- Research Methodology
- Computing Group Project
- Interactive Content Production

YEAR 5
- Mobile Application Development
- Web Information Retrieval
- Final Year Project

The programme is aimed at:
- HND graduates who are currently employed.
- Mature candidates, both in the public and private sector, who have significant relevant experience in the field, and relevant qualifications at HND or equivalent level, will also be eligible to apply.

Career Opportunities
Bachelor of Science (Hons) in Internet Computing graduates have diverse skills and hence they are highly regarded by employers from various industries. The job market for these graduates include: Programmer, Web designer/Developer, MIS executive, Project management executive, Software engineer, IT technical support, Graphics designer, Mobile apps developer, Multimedia content designer/developer and so on.

Programme Length: 5 Years

YEAR 1
- Melayu Islam Beraja
- Effective Communication
- Computational Mathematics
- Environment, Leadership, Technopreneurship and Social Innovation
- Programming I
- Introduction to Multimedia and the Internet

YEAR 2
- Programming II
- Systems Analysis and Design
- Database Systems Design and Implementation
- Programming III
- Web Development 1
- Fundamentals of Data Analytics

YEAR 3
- Computer Security Fundamentals
- Data and Computer Networking
- Ethics and Innovation in Information Technology
- Professional Communication
- Internet Technologies
- Human Computer Interaction
- People and Security

YEAR 4
- Non-Programme Module
- IT Project Management
- Web Development 2
- Research Methodology
- Computing Group Project
- Interactive Content Production

YEAR 5
- Mobile Application Development
- Web Information Retrieval
- Final Year Project
MASTER OF SCIENCE IN COMPUTING AND INFORMATION SYSTEMS (FULL TIME)

Post graduates with Master of Science in Computing and Information Systems will be able to find a number of career openings including ICT Manager, Application Developer, Data Scientist, System Administrator, Web Developer, Research Officer, Project Manager, AI Specialist, MIS Manager, ICT Consultant, E-Commerce Manager, and so on.

Programme Length: 1 Year

SEMESTER 1
- Computing Research Methodology
- Computer Application Design and Implementation
- Leadership
- People & Security
- Elective 1*

SEMESTER 2A
- Managing Information Systems in Practice
- Intelligent System
- Elective 2 *

SEMESTER 2B
- Master Research Project

*Elective Options

Elective Option 1
- Data Mining
- Electronic Government

Elective Option 2
- Web Services and Cloud Computing
- Data Analytics and Visualisation

ENTRY REQUIREMENTS

Hold a second-class honours Bachelors degree, or equivalent, in a relevant discipline, recognized by the Senate. Applicants with other qualifications will be considered on a case-by-case basis, taking into account of any relevant work or other experience.

Applicants with other qualifications will be considered on a case-by-case basis, taking into account of any relevant work or other experience. At least a credit or equivalent in English Language GCE O-level or an IELTS score of 6.0 or a TOEFL minimum overall score of 550 or its equivalent.

The English Language requirements may be waived where qualifying studies in Higher Education were in the medium of English Language.

Where candidates completed their higher education more than 2 years prior to their current application they will need to show that they have continued to study or work in the medium of English subjects with at least 7 years working experience which is related to Computing field, and subject to satisfactory admission interview.
COMPUTER NETWORK AND SECURITY PROGRAMME AREA

Computer Network and Security Programme Area is one of the programme areas in the School of Computing and Informatics. This Programme Area currently offers Bachelor’s (Hons) degree programme in the area of Computer Network and security with the aim of providing students with the skill and knowledge to enable them to make practical and valuable contributions towards national development in the field of Networking.

In addition to Academic Degree programme, we would also be focusing on research solving issues pertaining to Networking & Security in Wired, Wireless, Mobile, Cloud, Internet of Things. The Degree students in this programme area would thus have an opportunity to work on such research issues in their final year project contributing to networking industry.

The programme is designed in a way so that graduates will be equipped with necessary academic knowledge and also hands-on experience to solve some of the challenging issues of the Networking and Telecommunication Industry.

The academic staff members constituting our programme area have adequate academic and industrial experience pertaining networking. We hope that Students at the completion of study in this programme Area would find themselves well equipped with skill, knowledge and hands on experience to be employed in networking industry and towards pursuing higher degrees in Networking.

Undergraduate programmes offered:
- Bachelor of Science (Hons) in Computer and Information Security.
- Bachelor of Science (Hons) in Computer Networking
BACHELOR OF SCIENCE (HONS) IN COMPUTER AND INFORMATION SECURITY

The aim of the programme is to prepare graduates for the demands of industry in the skills of computer and information security. Graduates will be equipped with specialised knowledge and skills in security that are designed based on current demand from the private and public sectors.

Graduates will develop theoretical understanding and practical skills in areas such as security in wireless networks; virtual network and security; packet analysis and investigation. They will also have strong foundations in cryptography; symmetric and public key encryption; the cyber kill chain and case studies of critical infrastructure and their interdependencies. Forensic science will also be introduced, including steps from collecting data to preserving evidence. Software security is also a part of their knowledge gained that looks at the upper layers of the networking model.

Career Opportunities
Graduates’ final year projects will be based on various security researches, issues and applications that reflect the challenges faced globally. This will ensure that their knowledge will be relevant for their future careers, and will help prepare them for further study to postgraduate level.

Programme Length: 4 Years

YEAR 1
- Melayu Islam Beraja
- Effective Communication
- Computational Mathematics
- Fundamentals of Information Systems
- Programming I
- Ethics and Innovation in Information Technology
- Systems Analysis and Design
- Programming II
- Fundamentals of Data Analytics
- Computer Systems and Architecture
- Environment, Leadership, Technopreneurship and Social Innovation (ELTS)

YEAR 2
- Programming III
- Database Systems Design and Implementation
- Data Computer Networking
- Human Computer Interaction
- Mobile Wireless Network
- Internetwork Communication
- People & Security
- Computer Security Fundamentals

YEAR 3
- Research Methods
- Professional Communication
- Non-Programme Module
- Computing Group Project
- Work Placement

YEAR 4
- Network Security Principles
- Overview of Computer Security
- Overview of Software Security
- Cyber Security Attacks and Mechanisms
- Digital Forensics Principles and Methods
- Final Year Project
BACHELOR OF SCIENCE (HONS) IN COMPUTER NETWORKING

The main aim of the programme is to meet the demands of the local IT industry for highly capable, multi-skilled graduates. The programme seeks to address the skills shortage by providing potential students with the necessary knowledge and abilities that will be attractive to future employers. The programme has been developed with good industry links to ensure that the graduates are equipped with the necessary knowledge and skills to meet the ever-changing and dynamic demands of the IT industry. Mature candidates, both in the public and private sector, who have significant relevant experience in the field, and relevant qualifications at HND or equivalent level, will also be eligible to apply for this programme.

The degree programme consists of relevant IT and more specialised computing modules, together with some management modules. There is also a significant final year project. Emphasis is placed on the practical application of the theories and principles developed in the modules. Upon completion of this programme, successful graduates will be able to:

- Design, implement, and test a network system using the latest standard and technology.
- Apply skills to manage and monitor network performance, while able to predict and plan the future growth of computer networks.
- Develop skills to design and implement a highly trusted security policy.
- Plan, design and supervise IT projects independently.
- Undertake analysis and design tasks of IT using relevant methodology and standards.

Career Opportunities
Career opportunities exist in many computer network and security areas such as network management, network programming, network administration, network consultancy and security consultancy. The programme is also designed to provide a platform for graduates’ career development, innovation and/or further study to postgraduate level.

Programme Length: 4 Years

YEAR 1
- Melayu Islam Beraja
- Effective Communication
- Computational Mathematics
- Fundamentals of Information Systems
- Programming I
- Ethics and Innovation in Information Technology
- Systems Analysis and Design
- Programming II
- Fundamentals of Data Analytics
- Computer Systems and Architecture
- Environment, Leadership, Technopreneurship and Social Innovation (ELTS)

YEAR 2
- Programming III
- Database Systems Design and Implementation
- Data Computer Networking
- Human Computer Interaction
- Mobile Wireless Network
- Internetwork Communication
- People & Security
- Computer Security Fundamentals
- ...

YEAR 3
- Research Methods
- Professional Communication
- Non-Programme Module
- Computing Group Project
- Work Placement

YEAR 4
- Advanced Networking I
- Network Security Principles
- Network Management
- Optical Network
- Advanced Networking II
- Final Year Project
MASTER OF SCIENCE IN INFORMATION SECURITY (FULL TIME & PART TIME)

The threat of IT security attacks is increasingly apparent to either individuals or organisations across the world. From hacking to phishing, scamming to grooming, and botnets to cyber-terrorism, the variety and ingenuity of exploits appear to expand constantly.

This programme will provide students with advance knowledge of information security and an awareness of the context in which information security operates. Students will be exposed to a wide range of intellectual, practical and transferable skills, enabling them to develop a flexible professional career in information security.

Programme Length: 1 Year (Full-Time)  
2 Years (Part-Time)

Full-Time Structure

SEMESTER 1
- Computer Research Methodology
- Cryptography
- People and Security
- Computer Security
- Security Lab I

SEMESTER 2A
- Network Security
- Security Lab II
- Elective 1*
- Elective 2*

SEMESTER 2B
- Research Project (Individual)

Part-Time Structure

SEMESTER 1
- People and Security
- Cryptography
- Security Lab I

SEMESTER 2
- Computer Security
- Network Security
- Computer Research Methodology
- Security Lab II

SEMESTER 3
- Elective 1*
- Elective 2*

SEMESTER 4
- Research Project (individual)

*Elective Options
- Cyber Security
- Digital Forensics
- Database Security
RESEARCH AREAS

Research areas include (but are not limited to) the following and may also include inter-disciplinary fields:

- Computing and Information Systems
- Programming
- Graphics and Visualization
- Algorithm
- Human Computer Interaction
- Data Mining
- Data Analytics
- Artificial Intelligence
- Multimedia
- Network and Security
- Electronic Commerce
- Electronic Learning
- Internet of Things
- Blockchain
- Cloud Computing

PROGRAMME LENGTH

**MSc by Research (Full Time)**
2 years of supervised study inclusive of one year writing-up period. The submission of thesis is before the end of the writing-up period.

**MSc by Research (Part Time)**
4 years of supervised study, inclusive of one year writing-up period. The submission of thesis is before the end of the writing-up period.

**PhD (Full Time)**
3 years of supervised study inclusive of one year writing-up period. The submission of thesis is before the end of the writing-up period.

**PhD (Part Time)**
6 years of supervised study, inclusive of one year writing-up period. The submission of thesis is before the end of the writing-up period.
Lim Tze Yee  
Bachelor of Science (Hons) in Computer Network and Security

“While studying in UTB, I learnt a wide range of knowledge, skills and experiences that prepared me for the future. I had a wonderful time with all of my great colleagues throughout the period of my course, where we went through a roller coaster of experiences together.”

Awang Qamaruzzaman bin Affandy  
Bachelor of Science (Hons) in Internet Computing

"Having been shaped in part by the rigorous environment at UTB, I found myself able to communicate, innovate and collaborate in ways that allow me to build good rapport with lecturers and classmates. Developing better communication skills helped me to eventually embark on a rewarding career and start up my own company – Cerebral Network Technologies.”
The School of Applied Sciences and Mathematics provides innovative degree programmes in the fields of ‘Applied Mathematics and Economics’ and ‘Food Science and Technology’. The curriculum of each programme aims to meet the educational and career needs of learners with benefits of technical competency, practical knowledge and applied skills. These are required by fast growing industries and research and development organisations. Our graduates also have a skill set that is important for the strategies and objectives set out in the Brunei Vision 2035 and global skill demands.

The school maintains close links with applied science and technology sectors in Brunei Darussalam for the exchange of ideas and transfer of technology. It has developed collaborations with some leading foreign universities for sharing expertise. The school also provides services to industries and develops innovative science and technological advances through high quality research outputs. The programmes are structured to obtain accreditation by internationally recognised professional institutions. In addition to undergraduate degrees, the school also offers Masters and PhD degrees.
PROGRAMMES OFFERED

UTB-SP Bridging Programme

BriTE (please refer to page 104)

Undergraduate Programmes

Applied Mathematics and Economics
Bachelor of Science (Hons) in Applied Mathematics and Economics

Food Science and Technology
Bachelor of Science (Hons) in Food Science and Technology

Graduate Programmes

Master of Science by Research (Full Time & Part Time)
Doctor of Philosophy (PhD) (Full Time & Part Time)
APPLIED MATHEMATICS AND ECONOMICS

ENTRY REQUIREMENTS
(either one of the following requirements):

‘A’ Level:
CDD or 200 ‘A’ Level points in 3 ‘A’ Levels including Mathematics and two relevant subjects (Further Mathematics, Economics, Accounting, Business, Computer Science, Physics, Chemistry, Thinking Skills, Sociology, and Information Technology).

or

BC or 180 ‘A’ Level points in 2 ‘A’ Levels including Mathematics and one relevant subject (Further Mathematics, Economics, Accounting, Business, Computer Science, Physics, Chemistry, Thinking Skills, Sociology, and Information Technology).

International Baccalaureate:
24 points preferably with minimum of 5 points in Mathematics, and one relevant subject (normally includes Economics, Business and Management, Computer Science, Physics, and Chemistry at standard level or 4 points at higher level).

BTEC/BDTVEC Higher National Diploma or Advanced Diploma or its equivalent:
At least 60% or higher of the modules at Merit including Mathematics.

Work Experience:
Relevant work experience and/or qualifications deemed to be equivalent to one of the above to be decided on a case by case basis by the School.

For mature applicants:
Standard university requirements for mature candidates as prescribed by university regulations apply.

Applied Mathematics and Economics programme introduces blend of mathematics and economics to provide the quantitative tools necessary for modern economic analysis and mathematical applications. The combination of both provides variety of important applications such as optimisation, operational research, predicting and forecasting of economic and financial health. The study involves developing problem-solving skills and applying them in financial and economic sectors for developments. Skill and knowledge gained from the study can be used to solve a broad range of issues related to economic development and financial crises. Mathematical modelling of economic relationships and testing hypotheses against real-time data can be a solution to those issues.

Career Opportunities

Graduates from this programme can find employment in wide range of commercial sectors. They can be employed as system analysts, economic analysts or computer programmers. Graduates can be employed in government or private sectors such as treasury, banks, insurance companies or any other departments that require mathematics and economics skills. The degree also provides a platform for entrepreneurship and/or further study at postgraduate level. Applied mathematics skill and knowledge have high social value and can also be used in other applications, e.g. computer science, actuarial science, city planning, climate science, and so on.
BACHELOR OF SCIENCE (HONS) IN APPLIED MATHEMATICS AND ECONOMICS

The first two years of the programme focus on building students’ knowledge of fundamental mathematical and economic tools. Examples include optimisation, linear algebra, microeconomics, macroeconomics and econometrics. The latter years of the programme take these skills to an advanced level through the application of modern-day problem-solving techniques. Students will graduate with competence in a number of software packages including STATA and MATLAB. This programme will thus aim to prepare students to make a strong contribution to the workforce.

YEAR 1
- Melayu Islam Beraja
- Effective Communication
- Introduction to Mathematics for Economics
- Introductory Statistics
- Principles of Microeconomics
- Professional Communication
- Principles of Mathematical Economics
- Linear Algebra
- Principles of Macroeconomics
- Environment, Leadership and Technopreneurship and Social Innovation

YEAR 2
- Differential Equations I
- Computational Mathematics I
- Principles of Econometrics
- Business Strategy, Ethics and CSR
- Optimization Techniques
- Computational Mathematics II
- Applied Econometrics
- Advanced Microeconomics
- Islamic Economics

YEAR 3
- Data Mining Techniques
- Non-programme specific module
- Advanced Macroeconomics
- Mathematical Transforms
- Research Methodology
- Work Placement

YEAR 4
- Operations Research
- Differential Equations II
- Time Series Econometrics
- Final Year Project
- Management of Technology and Innovation
- Two Elective Modules
- International Economics
Food Science and Technology (FST) is the application of science and technology principles to deliver safe, appealing and convenient food products from raw materials to consumers. The programme integrates principles and concepts in the physical, chemical, biological and engineering sciences. The programme then applies them to the scientific and technological aspects of food formulation and development. The role of a food scientist or technologist is successfully integrating these disciplines to assure an abundant, high quality and nutritious food supply. The supply chain incorporates the design, analysis, processing, packaging, production and safety, preparation, evaluation and storage of foods, food ingredients, and beverages.

**ENTRY REQUIREMENTS**
(either one of the following requirements):

‘A’ Level:
CCD or 220 ‘A’Level points in 3 ‘A’ Levels including two relevant subjects (Biology, Chemistry, Food Studies, Physics, and Mathematics).

or
BC or 180 ‘A’Level points in 2 ‘A’ Levels in two relevant subject (Biology, Chemistry, Food Studies, Physics, and Mathematics)

**International Baccalaureate:**
28 points preferably with minimum of 5 points in Biology and Chemistry at standard level or 4 points at higher level.

**BTEC/BDTVEC Higher National Diploma or Advanced Diploma or its equivalent:**
At least 60% or higher of the modules at Merit including Microbiology and one of (Chemistry, Food Chemistry, or Biochemistry).

**Work Experience:**
Relevant work experience and/or qualifications deemed to be equivalent to one of the above to be decided on a case by case basis by the School.

**For mature applicants:**
Standard university requirements for mature candidates as prescribed by university regulations apply.

**Career Opportunities**

Students can complete an interesting and exciting scientific and technological curriculums that prepares them well for various job opportunities available in agri-food industry; e.g. Product development, quality assurances and product safety, food plant and agri-food industry management, food research, food marketing and sales, education and extension, the students are also prepared for graduate studies in human nutrition, biosecurity, medicine, biological sciences, biotechnology and so on.
BACHELOR OF SCIENCE (HONS) IN FOOD SCIENCE AND TECHNOLOGY

In the first and second year students will study the fundamentals of biology, chemistry, microbiology, mathematics, food processing, food quality and standard.

Students will then be able to build upon this knowledge by exploring areas such as nutritious food, food choice and regulation and the development of new products. They will also gain experience using key technical skills through sensory evaluation, laboratory – based practical, and industrial visit.

In the third year, students will have the opportunity to gain first-hand experience through the work placement. They will build on theory learned in the classroom and acquire valuable practical skills. A six-month work placement can take place in Brunei Darussalam and overseas. It is a good opportunity to try areas and aspects of the food industry before becoming a qualified professional.

During the final year, students will work on an individual research project enabling them to work alongside with researchers in food science and technology. They will also choose elective modules for their carrier opportunity.

**YEAR 1**
- Effective Communication
- Introduction to Food Science and Technology
- Basic Biology for Food Science and Technology
- Physics for Food Science and Technology
- Mathematics
- Introductory Statistics
- Introductory Chemistry for Food Science and Technology
- Professional Communication
- Introduction to Microbiology
- Melayu Islam Beraja
- Environment Leadership and Technopreneurship and Social Innovation
- Research Methodology

**YEAR 2**
- Food Chemistry
- Mass and Heat Transfer in Food Industry
- Thermodynamics for Food Processing
- Food Sensory and Flavour Science
- Food Preservation
- Food Quality, Regulations and Standards
- Food Product Development and Manufacturing
- Industrial and Food Microbiology
- Process Engineering Principles
- Process Design and Operations
- Integrated Food Systems
- Food Safety

**YEAR 3**
- Food Contact Materials and Equipment
- Functional Foods
- Group Project
- Work Placement

**YEAR 4**
- Final Year Project
- Nutrition and Food Choice
- Advanced Food and Formulation Technology
- Halal Food: Requirements, Quality and Market
- Industrial Systems, Bio separation and Purification Processes
- Elective Modules*

*Elective Modules
Elective modules include managing food industry, food marketing and supply chain, advances in nutrition, and innovative product development.
The school offers Masters by research and PhD in both, "Applied Mathematics and Economics" and "Food Science and Technology", programme areas. MSc by coursework will be offered soon by part-time and full-time. A candidate can be offered a place if a programme area is able to provide adequate supervision and facilities in the candidate’s chosen area of research. Interested candidate can contact the dean of school for further details of specialisation and research project.

For information and details on applying for a graduate programme, please visit UTB graduate studies and research website: http://www.utb.edu.bn/graduate-studies-research/the-graduate-studies-research-gsr-office/

**MSc by Research Entry Requirements**

A minimum of a Lower Second Class Honours Bachelor’s degree, or equivalent, recognised by the Senate of UTB.

At least a credit or equivalent in English Language GCE O-level or a valid IELTS score of 6.0 or a valid TOEFL minimum overall score of 550 or its equivalent. The English Language requirements may be waived where qualifying studies in Higher Education were in the medium of English Language. Where candidates completed their higher education more than 2 years prior to their current application they will need to show that they have continued to study or work in the medium of English.

Mature candidates who do not meet the above minimum requirements but have significant relevant work experience are encouraged to apply. Admissions criteria for mature candidates are in place and such applications shall be considered on a case by case basis.

Additional admission requirements may be set by the programme area, such as having a required qualification in a relevant area, submission of a satisfactory research proposal and passing an interview.

A candidate will only be offered a place if the school is able to provide adequate supervision and facilities in the candidate’s proposed area of research.
PROGRAMME LENGTH

MSc by Research (Full Time)
2 years of supervised study including writing-up period.

MSc by Research (Part Time)
4 years of supervised study including writing-up period.

PhD (Full Time)
3 years supervised study including writing-up period.

PhD (Part Time)
6 years supervised study including writing-up period.

PhD Entry Requirements

A Masters degree, or equivalent, recognised by the Senate of UTB.

A minimum of a Lower Second Class Honours Bachelor's degree, or equivalent, recognised by the Senate of UTB.

At least a credit or equivalent in English Language GCE O-level or a valid IELTS score of 6.0 or valid a TOEFL minimum overall score of 550 or its equivalent. The English Language requirements may be waived where qualifying studies in Higher Education were in the medium of English Language. Where candidates completed their higher education more than 2 years prior to their current application they will need to show that they have continued to study or work in the medium of English.

Applications from mature candidates are encouraged. Admissions criteria for mature candidates are in place and such applications shall be considered on a case to case basis.

Additional admission requirements may be set by the programme area, such as having a required qualification in a relevant area, submission of a satisfactory research proposal and passing an interview.

A candidate will only be offered a place if the school is able to provide adequate supervision and facilities in the candidate's proposed area of research.
UTB School of Design was introduced in 2018 offering two new courses BSc (Hons) in Architecture and BSc (Hons) in Product Design. The school offers engineering based and creative art-based modules through practical and theoretical approach.

Teaching force consists of local and expatriate academics as well as experienced lecturers from industries. The new School of Design complex currently houses over 70 students which also showcases the students work in the Gallery room located in the front section of the building.
PROGRAMMES OFFERED

UTB-SP Bridging Programme

BriTE (please refer to page 104)

Undergraduate Programmes

Product Design
Bachelor of Science (Hons) in Product Design

Architecture
Bachelor of Science (Hons) in Architecture

Graduate Programmes

Master of Science by Research (Full Time & Part Time)
Doctor of Philosophy (PhD) (Full Time & Part Time)
PRODUCT DESIGN

The programme aims to produce Product Designers who are capable of working at a professional standards in the many creative fields including crafts, art, interior design and etc. The programme introduces creative processes, designing skills (manual and 3D modelling); management of creativity, prototyping, and final product realisation.

Career Opportunities

Product designer, product development manager, design director, system designer, concept designer.
ENTRY REQUIREMENTS
(either one of the following requirements):

‘A’ Level:
CDD or 200 ’A’ Level points in 3 ’A’ Levels including Mathematics, Physics, Design & Technology, Computer Science/Studies or Art & Design.
or
BC or 180 ’A’ Level points in 2 ’A’ Levels including Mathematics, Physics, Design & Technology, Computer Science or Art & Design.

International Baccalaureate:
A minimum of 24 points preferably in Mathematics, Physics, Design & Technology, Computer Science/Study or Art & Design at standard level.

BTEC/BDTVEC Higher National Diploma or Advanced Diploma or its equivalent:
In Architecture, Interior Design, Mechanical Engineering, and Electrical & Electronics Engineering.

Work Experience:
Relevant work experience and qualifications deemed to be equivalent to one of the above to be decided on a case by case basis by the School.

AND
A portfolio containing at least 10 pieces of original work that demonstrate applicant’s creative development and/or process. The portfolio should include drawings, sketches, idea developments and demonstrate relevant 2D work (e.g. posters, editorial, photography, graphic design artwork, paintings, printmaking, digital imaging, web design, etc) and 3D work (e.g. 3D design, 3D paper structures, packaging design, etc).

AND
A pass in interview.

YEAR 1
- Engineering Mathematics
- Computer Aided Drafting
- Mechanics for Design
- Effective Communication
- Programming 1
- Melayu Islam Beraja
- Engineering Materials
- Creative Design Fundamentals
- Inclusice Design and Usability
- Manufacturing Engineering 1
- Environment, Leadership, Technopreneurship and Social Innovation

YEAR 2
- Engineering Materials
- Creative Design Fundamentals
- Inclusice Design and Usability
- Manufacturing Engineering 1
- Environment, Leadership, Technopreneurship and Social Innovation
- Management of Creativity, Design and Innovation
- Graphic Technique for Product Design
- Creative Design Studio 1
- Electrical Principles
- Mechanics of Materials

YEAR 3
- Group Project
- Research Methodology
- Practice, Profession and Ethic
- Supervised Work Experience

YEAR 4
- Capstone Project - Part A
- Management of Technology and Innovation
- Legal Aspects of Product Design
- Rapid Product Development
- Capstone Project - Part B
- Embedded Systems of Design
- Sustainable Design and Manufacturing
- Design of Manufacture
Architecture is one of the most enjoyable and rewarding professions. In designing new spaces and buildings around our everyday lives and needs, architects are often challenged intellectually, artistically and creatively. Architects can make major contributions to society by shaping our environment and surrounding, leaving lasting impact and legacy. This programme seeks to equip the students with the knowledge and expertise to create architectural designs that balance the human needs and preserving the integrity of the environment, satisfying the aesthetic, technical and cultural demands.

The programme is designed to train students after a successful completion Diploma in Architecture or GCE ‘A’ Level or Equivalent. Students embark into a program that introduce them to core areas of architecture and inculcate a sense of responsibility and commitment to the natural and built environment. This is done through the understanding of Sustainable approach, where environmental values & green are integrated into the courses. B.Sc. (Hons) in Architecture provides the design and technical skills requirements of the overall architectural education leading to Part I and a basic entry requirement to the Master of Architecture [Part II] for the professional degree programme.

**Career Opportunities**

Job prospects for the Bachelor of Science in Architecture graduates include: Government or Public Assistant Architect with the Public Works Department and Statutory Bodies, Assistant Architect to Professional Architect as an employee in a beg architectural organisation, Project Manager - managing a development project on behalf of a client, Specialist in the field of Computer Aided Design and Drafting (CADD), Research Officer (with universities, research institutions, NGO’s or private firms), Graphic Illustrator, Academic Architectural writer for journals, Developer, Manufacturer, Entrepreneur, Contractor and others.

**ARCHITECTURE**

At the end of the programme, students are expected to be able to:

- Describe fundamental concepts and theories for architectural and construction techniques
- Describe the criteria of the histories and theories of architecture and the related arts, technologies and human sciences
- Demonstrate ability to create architectural designs that satisfy both aesthetic and technical requirements
- Apply theories of Urban Design and planning
- Integrate the needs and aspirations of building users in architectural design with the precepts of sustainable design
- Appreciate the role of the profession of architecture and its impact on legal, social, ethical and professional issues
- Demonstrate ability to produce designs that meet building users’ requirements, cost factors, and building regulations
- Apply knowledge of the industries, organisations, regulations and procedures to translate design concepts into buildings and to integrate plans into overall planning
- Demonstrate ability to produce designs that meet health and safety requirements
- Develop an informed appreciation of cultural and contextual studies
- Apply a range of communication methods and media to present design proposals clearly and effectively.
BACHELOR OF SCIENCE (HONS) IN ARCHITECTURE

YEAR 1
• Design Studio 1
• Effective Communication
• History & Theory of Architecture 1
• Architectural Drawing and Representation 1
• Melayu Islam Beraja
• Design Studio 2
• Architectural Drawing and Representation 2
• Environmental Systems
• History & Theory of Architecture 2
• Environment, Leadership, Technopreneurship and Social Innovation

YEAR 2
• Design Studio 3
• Cultural and Contextual Studies
• Building Construction and Working Drawing
• Introduction to Green Building
• Design Studio 4
• Building Performance and Technology 1
• Urban Design Theory and Practice
• Building Information Modelling

YEAR 3
• Design Studio 5
• Capstone Project - Part A
• Research Methodology
• Technical Communication
• Design Studio 6
• Capstone Project - Part B
• Building Performance and Technology 2

YEAR 4
• Practice, Profession and Ethic
• Group Project
• Non-Programme Module
• Non-Programme Module
• Supervised Work Experience

ENTRY REQUIREMENTS
(either one of the following requirements):

‘A’ Level:
CCC or 240 ‘A’ Level points in 3 ‘A’ Levels including Mathematics, Physics, Design & Technology, Computer Science/ Study, Art or Art & Design.

International Baccalaureate:
A minimum of 30 points preferably in Mathematics, Physics, Design & Technology, Computer Science/ Study, Art or Art & Design at standard level.

BTEC/BDTVEC Higher National Diploma or Advanced Diploma or its equivalent:
At least 60% or higher of the modules with Merits in Architecture, or its equivalent (including Interior Design, Civil Engineering and Mechanical Engineering.

Work Experience:
Relevant work experience and qualifications deemed to be equivalent to one of the above to be decided on a case by case basis by the School.

AND
A portfolio containing at least 10 pieces of original work that demonstrate applicant’s creative development and/ or process. The portfolio should include drawings, sketches, idea developments and demonstrate relevant 2D work (e.g. posters, editorial, photography, graphic design artwork, paintings, printmaking, digital imaging, web design, etc) and 3D work (e.g. 3D design, 3D paper structures, packaging design, etc).

AND
A pass in interview.
PROGRAMME LENGTH

MSc by Research (Full Time)
2 years of supervised study inclusive of writing-up period.

MSc by Research (Part Time)
4 years of supervised study inclusive of writing-up period.

PhD (Full Time)
3 years of supervised study inclusive of writing-up period.

PhD (Part Time)
6 years of supervised study inclusive of writing-up period.

RESEARCH AREAS

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

Architecture
  Adaptable Design
  Industrialized Building System
  Sustainable Architecture

Product Design
  Design of Agri-food Devices
  Mechanical Engineering Design
  Additive Manufacturing
The Centre for Communication, Teaching and Learning (CCTL) is an independent centre in UTB that focuses on development of Communication Skills. In line with UTB’s aspiration to be a global university impacting society, the Centre for Communication, Teaching and Learning has repositioned itself as a centre offering higher-order programmes in Communication Skills. The Centre consists of three respective areas: Communication, Melayu Islam Beraja, and Teaching & Learning.

The Communication area offers communication modules to undergraduates in the university. It aims to mark a departure from the traditional linguistic-oriented approach to teaching communication, and has been offering courses in the broader humanistic interdisciplinary tradition. The new approach is based on research in the fields of Psychology, Sociology, and Semiotics. The MIB area focuses on instilling MIB values. The Teaching and Learning area is responsible for faculty and student development programmes in the university.

The Centre for Communication, Teaching and Learning also offer postgraduate studies in Masters by Research and PhD by Research in the following areas:

- Communication
- Melayu Islam Beraja (MIB)
- Teaching and Learning
MODULES OFFERED

COMMUNICATION
The modules offered are:

**Effective Communication**
The module aims to enable the students to:
- Apply critical thinking to the process of human communication
- Appreciate and use decision making in communication
- Appreciate the value of creative thinking in group processes in communication
- Use strategic planning in conversations

**Technical Communication**
This module equips students to:
- Communicate technical content clearly
- Collaborate on communication tasks
- Write short technical reports
- Prepare and deliver technical presentations

**Professional Communication**
This module equips students to:
- Write short reports
- Conduct and participate in negotiations
- Prepare and deliver business presentations

MELAYU ISLAM BERAJA (MIB)
In order to realise the Brunei’s Vision 2035, the establishment of core module MIB at Universiti Teknologi Brunei (UTB) is aimed to equip students to:
- Be loyal to the Sultan and the country as well as the belief in Islamic values;
- Build a prosperous society and social harmony that generate progress and development of economic, cultural and socio-politic of the nation;
- Develop an educated, high skilled and accomplished graduates in various fields with Brunei identities;
- Uphold vigorously the MIB values that have been the foundation of our political stability, social harmony and prosperity;
- Commit to the Brunei monarchy and nation, faith in the values of Islam, based on the Ahli Sunnah Wal-Jemaah, Mazhab Shafi’i and the tradition of tolerance, compassion and social harmony.

TEACHING AND LEARNING

**Student Development Programme (SDP)**
SDP offers a series of skills specific workshops designed to enable students to develop their communication skills. Each workshop focuses on a specific skill area and helps the students to enhance their confidence and competence. Workshops are conducted based on the needs of schools and faculty.

**Faculty Development Programmes (FDP)**
CCTL conducts seminars and workshops on innovative pedagogy focusing on assessment, curriculum, reflective teaching and quality assurance. The primary aim of this initiative is to assist academic staff to become more competent as facilitators of learning within the context of higher education and to promote internal quality assurance at UTB. Thus, the general objectives are:
- To increase understanding of teaching and learning processes;
- To improve competence in teaching and assessment methods;
- To foster reflective teaching practice and professionalism; and,
- To encourage the development of a scholarly and research-based approach to teaching and learning.

**Administrative Staff Development Programme (ASDP)**
The ASDP offered workshops to all non-academic staff (administrative and support staff) of the university. The primary aims of this initiative are:
- To foster effective organisational and communication skills;
- To improve and practice effective team work;
- To enhance administrative staff development skills in UTB office environment.
GRADUATE PROGRAMMES

MSc by Research Entry Requirements

A minimum of a Lower Second Class Honours Bachelor’s degree, or equivalent, recognised by the Senate of UTB.

At least a credit or equivalent in English Language GCE O-level or a valid IELTS score of 6.0 or a valid TOEFL minimum overall score of 550 or its equivalent. The English Language requirements may be waived where qualifying studies in Higher Education were in the medium of English Language. Where candidates completed their higher education more than 2 years prior to their current application they will need to show that they have continued to study or work in the medium of English.

Mature candidates who do not meet the above minimum requirements but have significant relevant work experience are encouraged to apply. Admissions criteria for mature candidates are in place and such applications shall be considered on a case by case basis.

Additional admission requirements may be set by the programme area, such as having a required qualification in a relevant area, submission of a satisfactory research proposal and passing an interview.

A candidate will only be offered a place if the faculty is able to provide adequate supervision and facilities in the candidate’s proposed area of research.

PROGRAMME LENGTH

MSc by Research (Full Time)
2 years of supervised study inclusive of one year writing-up period. The submission of thesis is before the end of the writing-up period.

MSc by Research (Part Time)
4 years of supervised study, inclusive of one year writing-up period. The submission of thesis is before the end of the writing-up period.

PhD (Full Time)
3 years of supervised study inclusive of one year writing-up period. The submission of thesis is before the end of the writing-up period.

PhD (Part Time)
6 years of supervised study, inclusive of one year writing-up period. The submission of thesis is before the end of the writing-up period.
PhD Entry Requirements
(either one of the following requirements):

A Masters degree, or equivalent, recognised by the Senate of UTB.

or

An upper second-class honours Bachelor degree, or equivalent, recognized by the Senate of UTB.

AND

At least a credit or equivalent in English Language GCE O-level or a valid IELTS score of 6.0 or valid a TOEFL minimum overall score of 550 or its equivalent. The English Language requirements may be waived where qualifying studies in Higher Education were in the medium of English Language. Where candidates completed their higher education more than 2 years prior to their current application they will need to show that they have continued to study or work in the medium of English.

Applications from mature candidates are encouraged. Admissions criteria for mature candidates are in place and such applications shall be considered on a case to case basis.

Additional admission requirements may be set by the programme area, such as having a required qualification in a relevant area, submission of a satisfactory research proposal and passing an interview.

A candidate will only be offered a place if the faculty is able to provide adequate supervision and facilities in the candidate’s proposed area of research.
UTB-SP bridging programme is a 14-weeks programme open to applicants who meet the university’s minimum general entry requirement but fall short of points for admission to specific undergraduate programmes. The programme also offers lifelong learners who have been out of study for a period of time, the opportunity to upgrade their fundamental knowledge and skills required to further their study in specified programme.

UTB-SP bridging programmes are offered for undergraduate programme applications under the following Faculty/School:

- BriTE for Faculty of Engineering, School of Applied Sciences and Mathematics, and School of Design programmes
- BriCOMP for School of Computing and Informatics programmes
- BriBUS for School of Business programmes
BriTE

Students who have successfully completed the BriTE programme will be eligible for admission into one of the following first year undergraduate programmes at UTB:

- BEng (Hons) in Mechanical Engineering
- BEng (Hons) in Civil Engineering
- BEng (Hons) in Electrical and Electronic Engineering
- BEng (Hons) in Mechatronics Engineering
- BEng (Hons) in Chemical Engineering
- BSc (Hons) in Product Design
- BSc (Hons) in Food Science and Technology

Satellite Partner

- Kemuda Institute

STRUCTURE OF PROGRAMME

<table>
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<tr>
<th>SEM</th>
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<td>March to May</td>
<td>FE01</td>
<td>Mathematics</td>
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<tr>
<td>14 weeks</td>
<td>FE02</td>
<td>Physics</td>
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<tr>
<td></td>
<td>FE03</td>
<td>Chemistry</td>
</tr>
<tr>
<td></td>
<td>FE04</td>
<td>Introduction to Programming</td>
</tr>
</tbody>
</table>

ELIGIBILITY FOR ADMISSION INTO FACULTY OF ENGINEERING UNDERGRADUATE PROGRAMMES

Students who obtain at least 60% marks per enrolled core module will be eligible for admission into the first year of the Faculty of Engineering undergraduate programmes of their choice. Three core modules are offered: Mathematics, Physics and Chemistry. Students with sufficient ‘A’ Level grade as required for admission to the undergraduate degree may be exempted from taking the relevant module. Students on BriTE will therefore take a minimum of one core module and a maximum of 3 core modules. In addition to the core modules, students are required to take one compulsory module which is Introduction to Programming.

HOW TO APPLY?

Application for BriTE programme can be made directly with Kemuda Institute.

GENERAL ENTRY REQUIREMENTS

At least a Credit Six in the Malay language at GCE Ordinary Level (applicable only for Bruneians applying for a Government Scholarship).

At least a Credit Six in Mathematics at GCE Ordinary Level or its equivalent.

At least a Credit Six in English Language at GCE Ordinary Level or an IELTS score of 6.0 or TOEFL minimum overall score 550 or its equivalent
Entry Requirements for BEng (Hons) programmes in Mechanical, Civil, Mechatronics or Chemical Engineering

'A' Level:
CDD or 200 'A' Level points for 3 'A' Level passes including: Mathematics, Physics and any other relevant Science subject (Chemistry, Further Mathematics, Biology, Computer Science, Design and Technology).

International Baccalaureate:
24 points at higher level subjects including Mathematics, Physics and other relevant Science subjects (Computer Science, Chemistry, Design Technology).

Entry Requirements for BEng (Hons) programme in Electrical and Electronic Engineering:

'A' Level:
DDD or 180 'A' Level points for 3 'A' Level passes including: minimum D grades in both Mathematics and Physics, and any other relevant Science subject (Chemistry, Further Mathematics, Biology).

OR
CC or 160 'A' Level points for 2 'A' Level passes, with minimum C grades in both Mathematics and Physics.

International Baccalaureate:
24 points at higher level subjects including Mathematics, Physics and other relevant Science subjects (Computer Science, Chemistry, Design Technology).

Entry Requirements for BSc (Hons) in Product Design:

'A' Level:
DDD or 180 'A' Level points for 3 'A' Level passes in subjects including Mathematics, Physics, Design & Technology, Computer Science or Art & Design).

OR
CC or 160 'A' Level points for 2 'A' Level passes in subjects including Mathematics, Physics, Design & Technology, Computer Science or Art & Design.

AND
A portfolio containing at least 10 pieces of original work that demonstrate applicant’s creative development and/or process. The portfolio should include drawings, sketches, idea developments and demonstrate relevant 2D work (e.g. posters, editorial, photography, graphic design artwork, paintings, printmaking, digital imaging, web design, etc) and 3D work (e.g. 3D design, 3D paper structures, packaging design, etc).

AND
A pass in interview.

Entry Requirements for BSc (Hons) in Food Science and Technology:

'A' Level:
CDD or 200 'A' Level points for 3 'A' Level passes including two relevant subjects (Biology, Chemistry, Food Studies, Physics, and Mathematics)

OR
CC or 160 'A' Level points for 2 'A' Level passes in two relevant subjects (Biology, Chemistry, Food Studies, Physics, and Mathematics)
BriCOMP

Students who have successfully completed the BriCOMP programme will be eligible for admission into one of the following first year School of Computing and Informatics undergraduate programmes at UTB:

- BSc (Hons) in Digital Media
- BSc (Hons) in Creative Multimedia
- BSc (Hons) in Computing (Major in Data Analytics or Major in Software Development)
- BSc (Hons) in Computer and Information Security
- BSc (Hons) in Computer Networking

Satellite Partners

- Kemuda Institute
- Micronet International College
- Cosmopolitan College of Commerce and Technology

STRUCTURE OF PROGRAMME

<table>
<thead>
<tr>
<th>SEM</th>
<th>CODE</th>
<th>MODULE TITLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>March to July</td>
<td>FC01</td>
<td>Computational Mathematics</td>
</tr>
<tr>
<td>14 weeks</td>
<td>FC02</td>
<td>Fundamental of Programming</td>
</tr>
<tr>
<td></td>
<td>FC03</td>
<td>Introduction to Multimedia</td>
</tr>
<tr>
<td></td>
<td>FC04</td>
<td>Computer System and Architecture</td>
</tr>
<tr>
<td></td>
<td>FC05</td>
<td>Basic of Database System</td>
</tr>
</tbody>
</table>

ELIGIBILITY FOR ADMISSION INTO SCHOOL OF COMPUTING AND INFORMATICS UNDERGRADUATE PROGRAMMES

Students who obtain at least 50% marks per enrolled module will be eligible for admission into the first year of the School of Computing and Informatics undergraduate programmes of their choice.

HOW TO APPLY?

Application for BriCOMP programme can be made directly with the respective satellite partners.

GENERAL ENTRY REQUIREMENTS

At least a Credit Six in the Malay language at GCE Ordinary Level (applicable only for Bruneians applying for a Government Scholarship).

At least a Credit Six in Mathematics at GCE Ordinary Level or its equivalent.

At least a Credit Six in English Language at GCE Ordinary Level or an IELTS score of 6.0 or TOEFL minimum overall score 550 or its equivalent.
Entry Requirements

‘A’ Level:
DDE or 160 ‘A’ Level points for 3 A-level passes including:
• One subject from Group A, and two from Group B
• Two subjects from Group A, and one from Group B
• Three subjects from Group A

or

CD or 140 ‘A’ Level points for 2 A-level passes including:
• Atleast one subject from Group A, and one from Group B
• Two subjects from Group A

Group A subjects are Mathematics, Further Maths, Physics, Computer Studies and Thinking Skills

Group B subjects are Applied ICT/IT, Accounting, Biology, Business Studies, Chemistry, Design and Technology, Economics, Geography, History, Psychology, Sociology, English Literature, Media Studies, and Travel and Tourism.

International Baccalaureate:
20 points at higher level subjects including Mathematics and Physics and other relevant science subjects (Computer Science, Chemistry, Design Technology)
BriBUS

Students who have successfully completed the BriBUS programme will be eligible for admission into one of the following first year School of Business undergraduate programmes at UTB:

- BBA (Hons) in Accounting and Information Systems
- BBA (Hons) in Finance and Risk Management
- BBA (Hons) in Applied Economics and Finance
- BBA (Hons) in Marketing and Information Systems
- BBA (Hons) in Technology Management
- BBA (Hons) in Business Information Management

Satellite Partners

- International Graduate Studies College (KIGS)

STRUCTURE OF PROGRAMME

<table>
<thead>
<tr>
<th>SEM</th>
<th>CODE</th>
<th>MODULE TITLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>March to July</td>
<td>FB01</td>
<td>Mathematics for Business</td>
</tr>
<tr>
<td>14 weeks</td>
<td>FB02</td>
<td>Introduction to Accounting</td>
</tr>
<tr>
<td></td>
<td>FB03</td>
<td>Introduction to Finance</td>
</tr>
<tr>
<td></td>
<td>FB04</td>
<td>Introduction to Management and Marketing</td>
</tr>
<tr>
<td></td>
<td>FB05</td>
<td>Business Economics</td>
</tr>
</tbody>
</table>

ELIGIBILITY FOR ADMISSION INTO SCHOOL OF COMPUTING AND INFORMATICS UNDERGRADUATE PROGRAMMES

Students who obtain at least 50% marks per enrolled module will be eligible for admission into the first year of the UTB School of Business undergraduate programmes of their choice.

HOW TO APPLY?

Application for BriBUS programme can be made directly with International Graduate Studies College (KIGS).
**Entry Requirements**

**‘A’ Level:**
DDE or 160 ‘A’ Level points for 3 A-level passes in relevant English medium subjects

or

CD or 140 ‘A’ Level points for 2 A-level passes in relevant English medium subjects

Group A subjects are Mathematics, Further Maths, Physics, Computer Studies and Thinking Skills

Group B subjects are Applied ICT/IT, Accounting, Biology, Business Studies, Chemistry, Design and Technology, Economics, Geography, History, Psychology, Sociology, English Literature, Media Studies, and Travel and Tourism.

**International Baccalaureate:**
20 points

*Relevant subjects normally include Accounting, Economics, Management of Business / Business Studies, Mathematics, Computer Studies, Additional Mathematics, Biology, Chemistry, Physics, English Literature, Geography, Public Affairs, History, Sociology, Psychology and Law.*
The ExperiencePLUS programme in UTB is intended to provide a platform to extend students’ experience beyond the walls of academia. It is structured into the University’s four-year undergraduate programmes and provides opportunities for all undergraduate students to partake in work attachment in local or overseas institutions to enhance their experiential learning and facilitate the attainment of life skills. The programme adds value to students’ academic qualifications and contributes towards the preparation of students for the world of business and industry. Students in UTB can also vie for overseas internship opportunities which are more competitive. Students must demonstrate a high standard of academic performance and be in the top 10% of the cohort in order to qualify for fully-funded overseas placements. Self-funded arrangements are also possible. The Deputy Dean of the School/Faculty can be contacted for further details.
Being a student in a foreign country can be challenging and demanding at times. This is especially true when one is in a foreign place with different physical, cultural, social and religious settings than the ones of their own. However, it is an academic sacrifice worth making.

UTB’s vision is to become a global university impacting society, therefore UTB is more than ready to provide both local and international students with a learning experience that is diverse in its learning culture and a stimulating environment that will help students realise their full potential.

UTB is committed to providing its international students with the best care and assistance. UTB’s Students Welfare Office provides various kinds of assistance and support to facilitate a smooth and easy transition and immersion to a new environment for new international students. Some of the assistance provided includes formality assistance to handle their visa and student pass application. The EXCO International Affairs under the Student Representative Council are also ready to aid them with any matters pertaining to students’ affairs and they automatically become a member of the UTB International Students’ Club where they can meet other international students. UTB also holds regular Students’ Affairs & International Students Dialogue sessions for updates and to address any arising matters.

During semester breaks, outings and trips around Brunei Darussalam are organised to provide international students with a better understanding of the country’s history, background, culture and people. International students are also given the opportunity to undergo industrial attachment under the UTB ExperiencePLUS.
Kurbanov Umid Rajabboevich (Uzbekistan)
BBus (Hons) in Marketing and Information Systems

“The opportunity was given to me by my previous university, University of World Economy and Diplomacy, where I took my first degree. It has always been my dream to study abroad, so I decided to apply for a scholarship to UTB. I can say that I am truly grateful to be accepted to UTB.”

Rawiyah Mulung (Mauritius)
BEng(Hons) in Electrical and Electronic Engineering

“To be honest, I have never heard about UTB until I came across a scholarship offered by the Brunei Government for undergraduate students. I was intrigued, so I did my research on which universities I could go to. Being an engineering student, my obvious choice was UTB, which is the leading technology university in Brunei.”

Muhammad Shaban (Pakistan)
MSc by Research in Electrical and Electronic Engineering

“I chose UTB when I applied for Brunei Government Scholarship because I was attracted with the courses offered.”

Muhammad Ahsan Akram (Pakistan)
BEng (Hons) in Mechanical Engineering

“I was given the opportunity to discover and experience Brunei through an academic grant provided by the Brunei Government. I have a passion towards Mechanical Engineering and since UTB is the only university that offers the course, it was obvious that my choice would be UTB.”
**Nidup Dorji (Bhutan)**

**BBus (Hons) In Accounting & Information Systems**

“I chose UTB because the International students at UTB came from all over the world, I feel that the teaching and learning at UTB is at par with other well-known international standards and of course the courses offered at UTB are very attractive.”

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**Suaibou Adamu (Republic of Cameroon)**

**BEng (Hons) in Civil Engineering**

“I chose to study at UTB without a second thought for the great reputation, diverse student body and it has a strong Engineering Faculty, besides Brunei is a safe and peaceful country. UTB is also known for its emphasis on the spirit of communication and cooperation. When I received the study offer I was greatly impressed and excited! UTB is no doubt the heart of the nation, studying as an international student has, overall, been a positive and overwhelming experience. My one-year at UTB is one of greatest years of my study; having taught by world class and experienced lecturers, I have acquired a lot in just a very short period of time. UTB has an excellent faculty, flexible course structure, and most importantly a friendly atmosphere for foreign students; hence, it is the perfect destination for pursuing higher education. I must say I am proud to be a student here and graduating with its certificate.”
Applicants who fulfil the minimum entry requirements into an undergraduate programme of their choice, offered at Universiti Teknologi Brunei are eligible to apply to the University.

**APPLICATION PROCESS**

For applicants based in Brunei Darussalam, the following process should be followed:

1. All applications (except for in-service applicants) must be made ONLINE by visiting the HECAS portal at www.hecas.edu.bn.

2. Following the above online application, applicants are required to submit a print-out of their application form (HECAS) together with a copy of identity card, certified true copies of academic certificates and relevant documents to the University AND make an online application at Apply@UTB.

3. The complete set of application form together with all copies of certificates and related documents required is to be submitted directly to the University not later than one (1) week after the closing date set by HECAS.

For applicants who are in-service and currently employed in Brunei Darussalam, the following process should be followed:

1. All applicants who are currently employed by the Government either in a permanent, temporary, month-to-month, open vote or daily paid position, or in the private sector are required to apply through the university’s online application system at Apply@UTB.

2. A print-out of the application form is to be submitted to the University before the deadline [not later than one (1) week after the closing date set by HECAS].

3. In addition, their application will only be considered if the hard copy application form is submitted through their Head of Department together with a confidential report and record of service. The applicants are responsible for submitting their applications to their Head of Department in good time to make sure it reaches UTB before the deadline.

4. All copies of certificates and documents attached to the application forms are to be certified by the Head of Department/Employer.

5. The complete set of application form together with all copies of certificates and related documents required is to be submitted directly to the University not later than one (1) week after the closing date set by HECAS.
FEE REGULATIONS

On receiving the offer to study at the University, the student, upon accepting the offer of admission, must pay all fees at the counter located at the UTB Finance Office. The fees will include registration, programme deposit, administrative charges and other general fees where applicable, and tuition fee. An official receipt will be produced and this receipt must be shown during the registration day.

FEES SCHEDULE

ACCEPTANCE FEES
Payable by non-government scholarship students on accepting the offer of admission (non-refundable):

All Programmes B$100.00

PROGRAMME DEPOSIT
(Refundable upon completion of study except for ‘self-withdrawal’ students)

Undergraduate Degree (Part Time) B$200.00
Postgraduate Degree (Part/Full Time) B$300.00

FIELD TRIP/SITE VISIT FEE
Students will be advised of any such fees by the programme area on registration.

EXAMINATION FEES
Payable at the beginning of the final semester.

Undergraduate Degree (Part-time) B$300.00
Postgraduate Master (Part/Full Time) B$500.00
Postgraduate PhD (Part/Full Time) B$750.00

ADMINISTRATIVE CHARGES
Payable by all students

Student’s Welcome Pack B$80.00
Student Association Fee per academic year B$60.00

INSURANCE
All local and international students are required to obtain their personal insurance for the duration of their studies and other related insurance as deemed necessary by the programme. The details need to be worked out with the insurance company concerned during the orientation week.
PROGRAMME FEES

Undergraduate Degree Programmes

Full Time  
B$2,000.00 per semester*

Part Time  
B$2,250.00 per semester*

*International Rates Apply.

Graduate Degree Programmes

Research Programmes

<table>
<thead>
<tr>
<th>Course</th>
<th>Tuition Fee per Programme (Full Time)</th>
<th>Tuition Fee per Programme (Part Time)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Brunei Citizen &amp; PR</td>
<td>International</td>
</tr>
<tr>
<td>PhD</td>
<td>B$12,000</td>
<td>B$15,000</td>
</tr>
<tr>
<td>MSc</td>
<td>B$4,000</td>
<td>B$6,000</td>
</tr>
</tbody>
</table>

UTB Scholarship for Graduate Students

UTB scholarships are provided to attract high calibre candidates to conduct full-time graduate studies by research (Masters or PhD) and to contribute to research outcomes as well as to support life-long learning through financial support to highly motivated candidates who cannot qualify for Brunei Ministry of Education (MOE) scholarships. The aim of the funding is also to attract highly qualified international candidates and contribute to diversity among UTB community. UTB scholarship award is subject to terms and conditions.
### Coursework Programmes

<table>
<thead>
<tr>
<th>Course</th>
<th>Tuition Fee per Programme (Full Time)</th>
<th>Tuition Fee per Semester (Part Time)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Brunei Citizen &amp; PR</td>
<td>International</td>
</tr>
<tr>
<td>MSc in Management &amp; Technology</td>
<td>B$3,500</td>
<td>B$5,250</td>
</tr>
<tr>
<td>MSc in Computing and Information Systems</td>
<td>B$3,500</td>
<td>B$5,250</td>
</tr>
<tr>
<td>MSc in Information Security</td>
<td>B$3,500</td>
<td>B$5,250</td>
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</table>

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<th>Course</th>
<th>Tuition Fee per Programme (Full Time)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Brunei Citizen &amp; PR</td>
<td>International</td>
</tr>
<tr>
<td>MSc in Civil Engineering</td>
<td>B$3,500</td>
<td>B$5,250</td>
</tr>
<tr>
<td>MSc in Mechanical Engineering</td>
<td>B$3,500</td>
<td>B$5,250</td>
</tr>
<tr>
<td>MSc in Electrical &amp; Electronic Engineering</td>
<td>B$3,500</td>
<td>B$5,250</td>
</tr>
<tr>
<td>MSc in Water Resources &amp; Environmental Engineering</td>
<td>B$3,500</td>
<td>B$5,250</td>
</tr>
</tbody>
</table>
Since its official upgrade to a university status in 2008, UTB is now in the exciting process of transforming from an institute nationally renowned for its strong academic programmes to a leading university of Engineering and Technology of high academic and research calibre at both national and international levels.

UTB has established itself as a reputable institution at both national and international levels. Coupled with the ever-increasing staff with high academic and research capabilities, it is now catering for the production of professionals at both undergraduate and graduate levels.

Suitable applicants are now invited for enrolment into our Graduate Research Programmes leading to Masters and PhD, as well as our Masters by Coursework.
PROGRAMME ENTRY REQUIREMENTS

For admission into the graduate research degrees, candidates must satisfy the following minimum admission requirements:

**Master’s by Research degree and Master’s by Coursework**

A minimum of a lower second-class honours Bachelor’s degree, or equivalent, recognised by the Senate of UTB

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AND

At least a credit or equivalent in English Language GCE O-level or a valid IELTS score of 6.0 or a valid TOEFL minimum overall score of 550 or its equivalent.

The English Language requirements maybe waived where qualifying studies in Higher Education were in the medium of English Language. Where candidates completed their higher education more than two years prior to their current application, they will need to show that they have continued to study or work in the medium of English

---

Applications from mature candidates are encouraged. Admission criteria for mature candidates are in place and such applications shall be considered on a case to case basis.

**Doctor of Philosophy (PhD) degree**

A Masters degree, or equivalent, recognised by the Senate of UTB.

OR

An upper second-class honours Bachelor’s degree, or equivalent, recognized by the Senate of UTB.

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AND

At least a credit or equivalent in English Language GCE O-level or a valid IELTS score of 6.0 or a valid TOEFL minimum overall score of 550 or its equivalent.

The English Language requirements may be waived where qualifying studies in Higher Education were in the medium of English Language. Where candidates completed their higher education more than two years prior to their current application, they will need to show that they have continued to study or work in the medium of English.

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Applications from mature candidates are encouraged. Admission criteria for mature candidates are in place and such applications shall be considered on a case to case basis.

Note that:

1. Additional admission requirements set out by the programme area, which would normally include having the required qualification in a relevant area, the submission of a satisfactory research proposal and passing an interview.

2. A candidate will only be offered a place if the faculty is able to provide adequate supervision and facilities in the candidate’s proposed area of research.
PROGRAMME LENGTH

MSc by Research (Full Time)
2 years of supervised study inclusive of one year writing-up period. The submission of thesis is before the end of the writing-up period.

MSc by Research (Part Time)
4 years of supervised study, inclusive of one year writing-up period. The submission of thesis is before the end of the writing-up period.

PhD (Full Time)
3 years of supervised study inclusive of one year writing-up period. The submission of thesis is before the end of the writing-up period.

PhD (Part Time)
6 years of supervised study, inclusive of one year writing-up period. The submission of thesis is before the end of the writing-up period.

MASTERS BY COURSEWORK
Currently the following Masters by Coursework are available:

MSc in Civil Engineering (Full Time & Part Time)
MSc in Electrical and Electronic Engineering (Full Time & Part Time)
MSc in Mechanical Engineering (Full Time)
MSc in Water Resources and Environmental Engineering (Full Time)

MSc in Management & Technology
MSc in Management & Technology (Part Time)

MSc in Computing and Information Systems (Full Time)
MSc in Information Security (Full Time & Part Time)

Full-time study – One year

*For detailed information on programmes offered, please refer to the respective faculty or schools.*
RESEARCH THRUSTS

Research Thrusts facilitates cross-disciplinary research and development as well as innovation across the research areas of UTB by acting as a platform for research teams that transcends across traditional disciplines. In this way, Research Thrusts bring to bear expertise and perspectives of engineers, economists, mathematicians, business and ICT specialists on challenges facing Brunei and the world.

Furthermore, it is envisioned that graduate students immersed in such multi-disciplinary environment will develop a collaborative approach and systems-thinking to their research and problem solving skills.
UTB’s multidisciplinary research are conducted through six Research Thrusts. Each of the research thrusts draws members from UTB’s academic units in Applied Sciences, Business, Design, Engineering and Computing and Informatics. The Research Thrusts provide opportunities for cross-disciplinary Research, Development & Innovation across the University. UTB’s six Research Thrusts are in Agri-Food; Digital & Creativity; Wellness; Energy; Sustainable Built Environment and Society & Enterprise. In addition, three Research Centres in UTB serves as a focal point where major engineering and scientific challenges of national importance are addressed. These research centres are the Centre for Transport Research, the Centre for Innovative Engineering, and the Centre for Research in Agri-Food Science & Technology. Research excellence in our University is underpinned by research grants from the Brunei Research Council, industry and international agencies in addition to the internally funded research grants.

The major part of the research management in our university is carried out by the Graduate Studies and Research Office. This office nurtures and develops research excellence, scholarship and creative activities. Local and international researchers are welcome to join and collaborate with UTB researchers in on-going projects and in the proposals for future projects.
**AGRIFOOD**

Any areas in the broad context of agriculture, food, nutrition, enabling technology for the aforementioned. Examples include food packaging, irrigation systems for agriculture, and agricultural economics.

**ENERGY**

Any areas in broad context of energy including hydrocarbons, renewables, new energy sources, technologies for increased efficiency, enabling technologies such as materials and low-power devices.

**SOCIETY & ENTERPRISE**

Any areas in the broad context of enterprise, industry and sociology including business, entrepreneurship, communications, studies on impact of technology on social cohesion, security studies, economics.

**DIGITAL & CREATIVITY**

Any areas in the broad context of digital, information systems, computing, algorithms, networks, programming languages, hardware and software.

Examples include animation, smart sensors, fashion, internet of things, multimedia technologies, architecture, photonics, semiconductor device design and fabrication.

**WELLNESS**

Any areas in the broad context of well being.

Examples include cosmetics, point of care diagnostics, apps for health monitoring, technologies for rehabilitation, geriatrics, occupational wellness, big data analytics for health, etc.

**SUSTAINABLE BUILT ENVIRONMENT**

Any areas in the broad areas of built environment such as the use of technologies for smart sustainable living, lowering carbon footprint, water research, novel technologies for construction, and green technology.
CENTRES

Centre for Transport Research (CfTR)

The Centre for Transport Research (CfTR) was the first research centre established at Universiti Teknologi Brunei (UTB), with an emphasis on multidisciplinary and collaborative research in the field of transport. CfTR remains the only research centre in the country focusing its research in the field of transport. The centre is committed to improve the transport system by:

• conducting interdisciplinary research to develop, support and complement the relevant national transport plans and strategic directions
• collaborating with fellow national and international researchers for knowledge sharing and advancement
• acting as a transport and road safety resource and training centre.

The main research themes of CfTR are road safety engineering, highway and geotechnical Engineering, and traffic engineering. Recent research projects include the application of Geographical Information System for road accident hotspot analysis, database development, laboratory and numerical analysis of road pavement, road safety improvement, intelligent transport system, transport modelling and slope stability analysis.

Several academic staff have been seconded to the centre from across the disciplines of Civil Engineering, Electrical and Electronic Engineering, Petroleum and Chemical Engineering and Computer Information System. Moreover, research associates have also been appointed from the government sector and partner university to provide valuable advice and additional expertise to the centre. The centre also regularly hosts research assistants, research interns, research students and final year project students to work on various contemporary research problems related to transport.

Since its establishment, CfTR has maintained an active role in the Brunei Darussalam National Road Safety Council chaired by the Honourable Minister of Transport and Infocommunications. Several research projects have been successfully completed and their outcomes disseminated in Scopus-indexed publications and meetings with relevant stakeholders. Moreover, new research projects and initiatives, which are expected to have a strong impact to improve national road safety and transport system, has been started to strengthen and support the growth of research activities at the university.
Centre for Innovative Engineering (CIE)

The centre will be a point of reference for innovative research in UTB. CIE will facilitate national innovation leadership and will accelerate the rate of technology adoption. Thus, it will attract national and international partnerships and contribute to intellectual growth in Brunei.

CIE will focus on strengthening research capability in the key and niche research areas through partnership and technology transfer through the current flagship research titled ‘Smart Environment’.

With this multidisciplinary flagship initiative, the research activities of the ‘Smart Environment’ will include physical hardware, communication networks and software application development. A project in this area can bring researchers from multidisciplinary areas such as Engineering, Science, IT and Business together. There are a lot of potential projects in relevant areas that CIE will spearhead through collaboration among faculties and with international collaborators.
Centre for Research in Agrifood Science & Technology (CrAFT)

CrAFT was established in 2018 as a university-wide research centre to serve as a platform for networking of researchers and pooling resources from various organization, academic institutions and governmental bodies at local and international levels.

The vision of the centre is to create new knowledge and sustainable solutions for agri-food problems, while preparing students to become the next generation of researchers and leaders and able to serve the needs of Bruneian society.

CrAFT Network Operation Structure

Operational Plan

GOAL 1
Create Excellent Agrifood Science Research Core Facility
- Increase multidisciplinary collaboration within UTB
- Accessibility of recent technologies for UTB researchers

GOAL 2
Focus on Translational Research for Commercialisation
- Identify potential research areas matching with UTB expertise
- Develop local products for marketing
- MoU partnership and capacity building

GOAL 3
Improve Research organisation and Strengthen Collaboration
- Create efficient teamwork organisation
- Support UTB strategic initiatives
- Promote synergy between UTB and stakeholders

GOAL 4
Further develop CrAFT Research Groups
- Reinforce expertise and foster research work culture
- Expand internal and external collaborations
- More emphasis on research ethics, research career development and guidance
- Support research groups to identify priorities based on available resources, expertise and scientific rewards
- Active involvement with our partners in discussion and decision making

GOAL 5
Strengthen International Collaborations
- Increase participation in international networks, such as ASEAN-IVO
- Support teamwork applications for international research funding
- Stimulate international research mobility with centres of excellence
- Stimulate regular workshop on different agri-food themes
- Invite international speakers for keynote lectures

New Products and Projects for Local Agri-Food Sectors
Export Market
Economic Growth
FUNDING AND SCHOLARSHIPS

There are a number of scholarship opportunities for graduate studies (both local and International graduate students).

Scholarship through Ministry of Foreign Affairs (MFA):
This scholarship is for foreign applicants only.
Detail of this scholarship and application procedure can be obtained from MOFAT website: http://www.mfa.gov.bn/Pages/BDScholarship.aspx

Ministry of Education (MoE) Scholarship:
This scholarship is for Bruneians (Yellow IC) applicants only who are not more than 30 years old. It is offered to the applicants who are accepted for admission (PhD, Master’s by Research and Master’s by Coursework). The University usually does the processing to forward the scholarship request to the Ministry of Education once the applicant accepts the admission offer as well as submitting the scholarship application form. The scholarship includes a tuition fee waiver and a monthly allowance of about BND 400.

UTB Scholarship for Graduate Students
UTB scholarships are provided to:
• Attract high calibre candidates to conduct full-time graduate studies by research (Masters or PhD) and to contribute to research outcomes
• Support life-long learning through financial support to highly motivated candidates who cannot qualify for MOE scholarships (such as due to age)
• Attract highly qualified international candidates and contribute to diversity among UTB community

Terms of Scholarship:
• Waiver of programme fees only. Other fees apply
• Stipend of BND 750 per month for up to 24 for Masters by research and 36 months for PhD programmes
• UTB scholarship is provided for full-time study by graduate research students
• A once return airfare to country of origin is provided for international scholarship recipients
• The scholarship cannot be held with other financial support unless written approval is given by UTB
• To assist in supervised teaching and learning activities in appropriate modules as required by UTB
• UTB reserves the right to amend terms of the scholarship at any time

Candidates must be:
• Brunei citizens or permanent residents of Brunei or international students. The scholarship is conferred based on academic excellence. If the candidate have an equal academic excellence, the scholarship will be conferred to Brunei citizens, Brunei permanent residents and international students, in that order of preference
• Holders of First Class honours undergraduate degree, or if applying using Master’s degree, holders of Master degree with distinction/merit from a university acknowledged by UTB Senate (For applicants in the PhD programme)
• Holders of at least a Second Upper class honours undergraduate degree from a university acknowledged by UTB Senate (For applicants in the MSc by Research programme)
• While candidates with the above degrees from reputable universities are eligible, those from prestigious, rigorous and highly ranked universities will, everything else being equal, have an advantage.
• Recipients must be under the age of 35 years at the time the window for graduate admissions closes.

**Other scholarships:**

There are research assistantship opportunities depending on the available research funds.
STUDENT MATTERS
STUDENT SERVICES

OFFICE OF STUDENTS AFFAIRS

STAFF AND STUDENTS CENTRE
The Staff and Students Centre is a one-stop centre for Staff and Students services. The Centre is part of the Registr’s Office and it is available to assist staff and students and other visitors with general enquiries at the Staff and Students Service Counter.

The Centre is located on the ground floor of Administration Building.

The Centre was officially opened by His Royal Highness Prince Haji Al-Muhtadee Billah ibni His Majesty Sultan Haji Hassanal Bolkiah Mu‘izzaddin Waddaulah, Pro-Chancellor of Universiti Teknologi Brunei during the official opening of the first UTB Convocation Festival on Tuesday, 30th September 2014.

Counter opening hours:
7.45 am – 12.00 pm
2.00 pm – 4.30 pm

The Office of Students Affairs is responsible for planning, coordinating and implementing a variety of services designed to assist and support students in achieving academic excellence and personal success. In order to achieve this, the focus is placed on the following six tenets:

- Spiritual and religious support
- Academic support
- Community service
- Sports and recreation
- Life skills development
- Campus Life

Main objectives
- To provide guidance in Islamic religious practice for ethical and spiritual development of students in accordance with Brunei Darussalam’s national philosophy of Melayu Islam Beraja (MIB).
- To prepare students to be well-rounded individuals with 21st century skills.
- To motivate students to excel in academic activities.
- To instill a spirit of participation, advocacy and willingness to volunteer.
- To engage students in community and environmental activities.
- To engage students in co-curricular activities.
UTB STUDENTS’ REPRESENTATIVE COUNCIL

MPPUTB is a Student Association Organisation representing the students of UTB. It acts as the voice of the students and as a bridge between the students and UTB Management through Student Affairs Unit. It was formally known as the ‘Badan Kebajikan Pelajar’. Later in 2010, it was renamed as ‘Majlis Perwakilan Mahasiswa/Mahasiswi’ (MPMM). Then, in 2011, it has been officially standardised with other local institutions, as ‘Majlis Perwakilan Pelajar’ (MPP).

ROLES
- To practice the national concept of ‘Melayu Islam Beraja’ (MIB).
- To establish good relation between other student association organisation amongst higher institutions, both locally and internationally.

RESPONSIBILITIES
- To improve knowledge, understanding and image among all the students.
- To have a better understanding on the importance of teamwork between students and education officers.
- To organise religious, economic, cultural, sports and voluntary activities.
- To have interaction among students with positive mindsets.
- To work together with UTB Management in carrying out activities that are organised / proposed by the Vice Chancellor or Dean of Student Affairs and Extra-Curricular Activities.

STRUCTURE
MPPUTB consists of 16 positions with total of 11 Executive Committees (ExCo) and administered by 5 Supreme Councils (Majlis Tertinggi). Every member has their own specific scope of work, in addition to their general duties or roles.

Supreme Council (Majlis Tertinggi) MPPUTB
- President (Yang Di-Pertua)
- Vice President (Naib Yang Di-Pertua)
- General Secretary (Setiausaha Agung)
- Treasurer (Bendahari)
- Deputy Treasurer (Timbalan Bendahari)

Executive Committees (ExCo) MPPUTB
- Religious and Spiritual
- Leadership, Development and Mentor
- Sports
- Culture
- Health, Safety, Security and Environment
- Community Service and Project
- Logistics
- Publicity and Info-Communication Technology
- Economy and Entrepreneurship
- Student Representative
- International Affairs
STUDENT CLUBS 2020

EXCO SPORTS
- Basketball Club
- Badminton Club
- Dodgeball Club
- Frisbee Club
- Futsal Club
- Karate Club
- Men Touch Rugby
- Ladies Touch rugby
- Netball Club
- Pencak Silat Club
- Spinning Club
- Squash Club
- Swimming Club
- Table Tennis Club
- Volleyball Club
- Tae Kwan Do Club
- Kendo Club
- Muay Thai Club

EXCO PUBLICITY AND ICT
- Info Tech Club has been changed into Audio Video Club
- Photography Club
- Gamers Alliance
- Robotic Club

EXCO COMMUNITY SERVICE AND PROJECT
- Community Service & Voluntary Club

EXCO LEADERSHIP, DEVELOPMENT & MENTOR
- IET (Institution of Engineering and Technology) UTB Student Chapter
- Leaders of Tomorrow Club (LOT)
- Army Cadet (PKTUTB)
- PUJA (Pertubuhan Ukur, Jurutera & Arkitek) UTB Student Chapter
- SPE (Society of Petroleum Engineers) UTB Student Chapter
- IChemE (Institution of Chemical Engineers) UTB Student Chapter
- IMechE (Institution of Mechanical Engineers) UTB Student Chapter
- TEDx

HSSE
- Eco Club

EXCO INTERNATIONAL AFFAIRS
- International Club

EXCO CULTURE
- Dance Club
- Gulingtangan Club
- Korean Culture Club
- Art & Craft Club
- Dream (Combination of Drama, Reading, Music & English Clubs)
- Choir Clubs

EXCO ENTREPRENEURSHIP AND ECONOMY
- Cooking Club
- Entrepreneurship (MPP Café)

EXCO RELIGIOUS AND SPIRITUAL
- Dikir Nasyid & Tausyeh
- Kelab Hadrah
- Kelab AlQuran (Q Beats)
- Archery Club
CO-CURRICULAR UNIT

Responsibilities:
• To manage the Student Achievement Passport (SAP).
• To organise CCA activities, including cultural, sports and community service.
• To manage overseas study visits/friendly sports activities.
• To manage/administer student clubs.
• To assist students in organising tournaments.
• To provide guidance to the UTB Student Representative Council (MPP).
• To provide support to students representing UTB in national and international events.

ECA Officer:
Mohamad Shah @ Muhammad Lutfi Hadi Bin Hj Asmat
Office: Gf.69
T: +673 2461020 Ext 5123
F: 2461035/6
E: hadi.asmat@utb.edu.bn

COUNSELLING UNIT

Our counsellors can assist both staff and students to gain a clearer understanding of the problems you face and how to identify appropriate strategies so you can make the best possible decision for yourself.

Responsibilities:
• Individual counselling: To conduct confidential counselling and therapeutic sessions on academic, social and personal matters for staff and enrolled UTB students.
• Assessment and treatment by our psychologist based on the bio-psychosocial/cultural needs of the client.
• Crisis support if you need help immediately.
• Provision of consultation and liaison with internal staff and external agencies on counselling dynamics in a teaching environment.
• Group sessions designed to help improve your wellbeing run throughout the year.
• To make operational arrangements for Leadership and Entrepreneurial Student Programmes abroad.

Counselors:
Dk Raden Tutimuliawati Bte Pg Hj Mahmud (Counsellor)
Office: 2F.18
T: +673 2461020 Ext 5360
E: raden.mahmud@utb.edu.bn

Nasyhea Abdullah (Clinical Psychologist)
Office: 2F.19
T: +673 2461020 Ext 5361
E: nasyhea.abdullah@utb.edu.bn
STUDENT WELFARE UNIT

Responsibilities:
- To manage students’ welfare, discipline, health and safety.
- To manage the placement and allocation of accommodation for students.
- To work with student affairs on orientation programme for international students.
- To liaise, monitor and manage the international students’ welfare.
- To liaise with the academic faculties on Student ExperiencePLUS programme.

Student Welfare Officer:
Siti Nuratika Sri Mu’minnah binti Mohammad Hadi Muslim
Office: GF.70
Ext: 5115
Email: nuratika.hadi@utb.edu.bn

CAREER GUIDANCE UNIT

Responsibilities:
- To track the graduates employment path.
- To provide seminars, workshops and courses to students to enhance career prospects.
- To assist in the organisation of career dialogues with a view to exploring employment opportunities.
- To provide career counselling for students to choose the right career paths and for right job search strategies.
- To compile tracer study of recent graduates of the University.
- To assist graduates who are just entering the workforce.
- To match graduates with jobs that will give them the ultimate balance of financial payoff and job satisfaction.
- To gather employer feedback on students’ and graduates’ performance.
- To act as a focal point for MOE in identifying career pathways.

Career Officer:
Hajah Halimah binti Datuk Haji Mohd Kassim
Office: 1F.99
Ext: 5352
Email: halimah.kassim@utb.edu.bn

RELIGIOUS UNIT

Responsibilities:
- To organise religious activities and services
- To assist students in religious tournaments and functions
- To advise students on religious matters

Ustaz Mohd Fazalley bin Haji Hidup
Office: 2F.63
Ext: 5306
Email: fazalley.hidup@utb.edu.bn

Ustazah Norimah binti Hj Abd. Karim
Office: 2F.60
Ext: 5307
Email: norimah.karim@utb.edu.bn
1. Administration
2. Staff & Student Centre
3. Teratak Putih
4. Concourse
5. UTB School of Business
6. School of Computing & Informatics
7. Chancellery
8. PEARL (UTB Gallery)
9. Electrical and Electronic Engineering Labs
10. Faculty of Engineering
    - Mechanical Engineering
    - Electrical and Electronic Engineering
11. Material Testing Centre (MTC)
12. Common Civil & Mechanical Engineering labs
13. School of Design
14. School of Applied Sciences and Mathematics
15. Canteen
16. Lecture Theatres
17. Library
18. Multi-purpose hall
19. Faculty of Engineering
    - Civil Engineering
    - Petroleum and Chemical Engineering
    - ICTC Office
20. ISLE Garden
**Metered Fare**
The first 1 km or 1 minute $3.50
Subsequent 250m or 15 seconds (whichever comes first) $0.20

**Area Surcharge**
To/From Brunei International Airport $3.00
From one district to another, including to Muara in the Brunei-Muara District (after the Kampong Sabun roundabout) $8.00

**Period Surcharge**
Booking via telephone or mobile apps $2.00
Advanced booking As agreed by driver and passenger

**Luggage**
The first two luggage Free
The third and subsequent luggage $2.00 per luggage

*The overall dimension of a luggage should be between 127cm to 158cm or a measurement of 61x41x26cm or its equivalent.*

**Other charges**
More than four passengers $2.00 per passenger
Waiting charge $0.50 every 60 seconds
Toll charges Borne by passenger

Taxi contact information

Bandar Seri Begawan:
+673 2222214, +673 2226853
Kuala Belait: +673 3334581
Seria: +673 3222020, +673 3222155
Airport Taxi Service: +673 2343671

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**GETTING TO UTB**
PROGRAMMES OFFERED AT UTB

UTB-SP Bridging Programme
  BriTE
  BriBUS
  BriCOMP

Undergraduate Programmes

Faculty of Engineering

Civil Engineering
  Bachelor of Engineering (Hons) in Civil Engineering
  Bachelor of Engineering (Hons) in Civil Engineering with Structural Engineering

Electrical and Electronics Engineering
  Bachelor of Engineering (Hons) in Electrical and Electronic Engineering
    - Major in Electronic and Communication
    - Major in Electrical Power
  Bachelor of Engineering (Hons) in Mechatronics Engineering

Mechanical Engineering
  Bachelor of Engineering (Hons) in Mechanical Engineering

Petroleum and Chemical Engineering
  Bachelor of Engineering (Hons) in Chemical Engineering
  Bachelor of Engineering (Hons) in Petroleum Engineering

Management
  Bachelor of Business (Hons) in Business Technology Management
  Bachelor of Business (Hons) in Business Information Management (Full Time & Part Time)

School of Computing and Informatics

Creative Computing
  Bachelor of Science (Hons) in Digital Media
  Bachelor of Science (Hons) in Creative Multimedia

Computer and Information Systems
  Bachelor of Science (Hons) in Internet Computing (Part Time)
  Bachelor of Science (Hons) in Computing
    - Major in Data Analytics
    - Major in Software Development

Computer Network and Security
  Bachelor of Science (Hons) in Computer and Information Security
  Bachelor of Science (Hons) in Computer Networking

School of Applied Sciences and Mathematics

Applied Mathematics and Economics
  Bachelor of Science (Hons) in Applied Mathematics and Economics

Food Science and Technology
  Bachelor of Science (Hons) in Food Science and Technology

School of Design

Product Design
  Bachelor of Science (Hons) in Product Design

Architecture
  Bachelor of Science (Hons) in Architecture

School of Business

Accounting
  Bachelor of Business (Hons) in Accounting and Information Systems
  Bachelor of Business (Hons) in Finance & Risk Management

Economics
  Bachelor of Business (Hons) in Marketing and Information Systems
  Bachelor of Business (Hons) in Applied Economics and Finance
Graduate Programmes

Master of Science (by Coursework) in Civil Engineering (Full Time & Part Time)
Master of Science (by Coursework) in Electrical and Electronic Engineering (Full Time & Part Time)
Master of Science (by Coursework) in Mechanical Engineering (Full Time)
Master of Science (by Coursework) in Water Resources and Environmental Engineering (Full Time)

Master of Science (MSc) in Management & Technology (Full Time & Part Time)

Master of Science in Computing and Information Systems (Full Time)
Master of Science in Information Security (Full Time & Part Time)

Master of Science by Research (Full Time & Part Time)
Doctor of Philosophy (PhD) (Full Time & Part Time)
Contact information

For general enquiries, please contact:

The Registrar’s Office
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Gadong BE1410,
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