

A • P • U
ASIA PACIFIC UNIVERSITY
OF TECHNOLOGY & INNOVATION

I
am
visionary

ENGINEERING



ENGINEERING

WORLDWIDE
RECOGNITION
UNDER THE
WASHINGTON ACCORD

INNOVATIVE
THINKING
CAN CHANGE
YOUR WORLD



Premier
Digital Tech
University™



APIIT EDUCATION GROUP

Asia Pacific University of Technology & Innovation (APU) Company no. 672203-A

Asia Pacific Institute of Information Technology (APIIT) Company no. 260744-W

(A Member of the APIIT Education Group)

Technology Park Malaysia, Bukit Jalil, 57000 Kuala Lumpur.

Tel : +603-8996 1000 Fax : +603-8996 1001

Email : info@apu.edu.my | info@apiit.edu.my

DU030(W) | DK121(W)

www.apu.edu.my | www.apiit.edu.my

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Inspiring

you towards
innovation & ambitions

It starts now..... It starts here

▼ ENGINEERING

DEGREE PROGRAMMES

- Bachelor of Engineering in Electrical & Electronic Engineering with Honours
- Bachelor of Engineering in Telecommunication Engineering with Honours
- Bachelor of Engineering in Mechatronic Engineering with Honours
- Bachelor of Computer Engineering with Honours
- Bachelor of Petroleum Engineering with Honours

WORLDWIDE
RECOGNITION
UNDER THE
WASHINGTON ACCORD



APU - RANKED UNDER 2021 QS WORLD UNIVERSITY RANKINGS - ASIA



APU is Ranked No.1 for International Students, No.1 for Inbound Exchange, and is amongst the Top 50 Universities for International Faculty. APU is also Ranked amongst the Top 350 Universities.



APIIT RATED 6-STARS (OUTSTANDING) RATING

APIIT was announced as one of the Top Private Colleges in Malaysia to attain 6-STAR (OUTSTANDING Rating) under the latest Ratings by the Ministry of Higher Education (MOHE) on 18th Dec 2020. MYQUEST is a quality evaluation system assessed by MOHE to evaluate the quality of programmes offered by Malaysian private colleges.

APU AWARDED 5-STAR (EXCELLENT) RATING



APU was announced as among the Highest Rated Emerging Universities in Malaysia, being rated 5-STAR (EXCELLENT Rating) under the latest SETARA Ratings by the Ministry of Higher Education (MOHE). APU has maintained this Excellent Rating consecutively in the SETARA 2011, 2013, 2017 as well as in the latest ratings announced on 18th Dec 2020. The SETARA ratings system measures the performance of teaching and learning in universities in Malaysia.

APU IS A PREMIER DIGITAL TECH UNIVERSITY - MALAYSIA DIGITAL ECONOMY CORPORATION



APU was among the first universities in Malaysia awarded Premier Digital Tech University status by the Malaysia Digital Economy Corporation (MDEC) and Ministry of Higher Education (MOHE). APU is recognised for its commitment to offer top-notch digital technology courses and ensuring our highly-skilled graduates continue to flourish and fill future digital job demands locally and globally.

Experience

APU's iconic campus

Asia Pacific University of Technology & Innovation (APU) is amongst Malaysia's Premier Private Universities, and is where a unique fusion of technology, innovation and creativity works effectively towards preparing professional graduates for significant roles in business and society globally.



An Ultra-modern Campus Built Today for the Needs of Tomorrow

Asia Pacific University of Technology & Innovation (APU)'s Ultra-Modern University Campus in Technology Park Malaysia (TPM) is designed to be the state-of-the-art teaching, learning and research facility providing a conducive environment for students and staff. TPM is the ideal location for this new and contemporary Campus due to its strong positioning as Malaysia's primary hub for leading-edge and high-tech developments in a wide variety of areas. It is also located in one of the most rapidly developing areas in Kuala Lumpur, and is well served and accessible through major highways, LRT and other forms of public transportation.

APU has earned an enviable reputation as an award-winning University through its achievements in winning a host of prestigious awards at national and international levels.



Malaysia's Award Winning University

- A Stylish Blend of Functionality & Accessibility
- A Unique Fusion of Technology, Innovation and Creativity
- Cutting-edge Technologies
- A Wide Variety of Spaces to Learn, Engage & Transform



APU's iconic campus is setting a new benchmark for design excellence among Malaysian Universities, combining an eco-friendly campus with a dynamic blend of technology and innovation to enable professional learning. It is a magnificent teaching & learning space for our Students & Staff designed by our award-winning architects & consultants.

Rated No:1
in Asia and Malaysia
for multicultural
learning experience*

MALAYSIA'S
AWARD
WINNING
UNIVERSITY

Engineering Degrees
Accredited under
**WASHINGTON
ACCORD**
(accepted Worldwide)

100%
Employability**

12,000
STUDENTS
on campus from
130 COUNTRIES

MORE THAN
50,000
GRADUATES
& ALUMNI

* Student Barometer Wave 2019 (International Students),
Studying with people from other cultures'.

** Latest Graduate Tracer Study by Ministry of Higher Education, Malaysia.



100% of our graduates are employed by graduation*; this is not just a number, but a significant symbol of our success and pride in nurturing professionals for global careers.

* Latest Graduate Tracer Study by Ministry of Higher Education, Malaysia.



Industry Ready Graduates

The APU Career Centre connects and engages with over 12,000 Employers to ensure that our graduates are highly employed in both local and international corporations, as it closely supports APU students in both internship and career placement activities.

Outstanding Support

Regardless of the programme you choose, you will be supported by highly qualified and enthusiastic professionals. Many enjoy an international reputation for their research and actively engage with leading names in the industry.



Work-ready, World-ready

Study with us and we'll equip you to become a world-ready professional, with the knowledge, attributes, skills and expertise that employers look for.

Employers are demanding that graduates not just have qualifications, but also have the experience and ability to contribute to the workplace. To meet these demands, APU develops programmes and partnerships with academic and industry partners, with a heavy focus on applied learning. This helps to ensure that the skills and knowledge taught at APU are up-to-date and in high demand.

Rated No.1

in Asia and Malaysia for Multicultural Learning Experience*



A Hub of Cultural Diversity

With more than 12,000 students from over 130 countries, we ensure that you will gain memorable experiences alongside the diversified and colourful cultural environment. We have students from Asia, Central Asia, Middle East, Africa, Europe, Latin America and Oceania. Our International Students Support Centre helps you with the procedure to apply for your Student Pass before coming here. Upon arrival in Kuala Lumpur, you will be greeted with warmth by our friendly staff, who will pick you up and bring you to our campus.

Student Welcome Team

The Student Welcome Team was established by Asia Pacific University of Technology & Innovation (APU) to improve the arrival experience of international students in Malaysia. "Warm Welcome, Warm Hello, Warm What's up" is the theme of this ASK ME Team.



A Truly International Community

Just like the beautiful country in which we are located, APU is a rich blend of traditional and modern styles. We have developed a singular character to embrace those things that set us apart. We pride ourselves on the quality of both our teaching and research as well as having a unique living and learning environment.

World-class Facilities @ APU



APU provides access to world-class resources across a wide range of disciplines. This translates into industry-ready skills and a competitive edge for graduates.

Our campus is well-situated in a high-technology environment, and is equipped to enable every student to get the most out of your study experience at APU.



Cutting-Edge Technologies

The Campus blends technology, integration, innovation and creativity under one roof. It provides not just a learning environment, but also a lively community spot for our students to formulate new ideas, gain intellectual growth and discover new adventures. It is not only a university campus, but also the nurturing ground for world-changing global ideas. All spaces are carefully designed to create an unforgettable learning and lifestyle experience that lasts for a lifetime, while enabling professional learning and cultivating global mindsets. APU, as Malaysia's leading technological university, is the incubator for self-starting and innovative APU graduates. Our educational technology environment supports the development of graduates of this calibre, in which well-equipped computing and engineering laboratories with advanced software, hardware and technologies place students at the forefront of technological excellence.

An Integrated Community

The campus aims to establish a community aspect for the university – where integration is the key. Walkways, classrooms, communal spaces and discussion areas promote connectivity and cultivates exchange of ideas among students from different disciplines and academics, to implement cooperative learning concepts in line with the Industrial Revolution 4.0.



Social Interaction Platforms

Fitness Sweatzone, student lounges, sports facilities and breakout rooms provide spaces for relaxation and socialisation throughout the day. They are carefully designed to create an unforgettable learning and lifestyle experience that lasts for a lifetime, especially for students who are studying away from home.

Our Partner in Quality

De Montfort University (DMU), UK



De Montfort University (DMU) is ranked Gold in the Teaching Excellence Framework (TEF), the only UK Government-endorsed measure of teaching quality in higher education.*

* Office for Students (2017)

About DMU

De Montfort University Leicester (DMU) is a public university in the city of Leicester, England. Established in 1870, DMU is celebrating its 150 years anniversary as of 2020. DMU has approximately 27,000 full and part-time students and 3,240 staff. The university is organised into four faculties: Art, Design, and Humanities (ADH); Business and Law (BAL); Health and Life Sciences (H&LS); and Computing, Engineering and Media (CEM). DMU is also a member of the Association of Commonwealth Universities.



Teaching Excellence Framework



Celebrating 150 Years

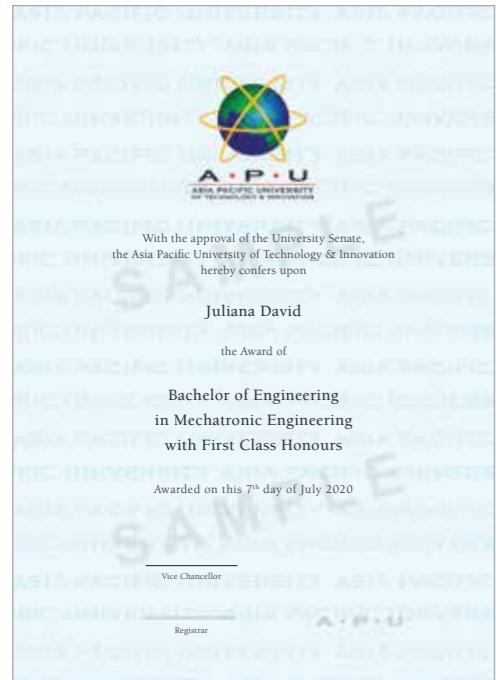


DMU Global Recognitions

- DMU has 150 years of history in providing higher education to students from around the globe.
- DMU was placed in the top 20 universities for Graduate Prospects in The Sunday Times Good University Guide 2020, a measure of how employable DMU students are on leaving university.
- DMU was named the first ever University of the Year for Social Inclusion in The Sunday Times Good University Guide, earning the award for a commitment to diversity, teaching excellence, and because of the success of DMU students in exams and their graduate job prospects.
- DMU adds £500m to the UK economy annually, according to a report by independent analysts Regeneris.
- Each year, international students from more than 130 countries choose to study at DMU.

Double your Advantage

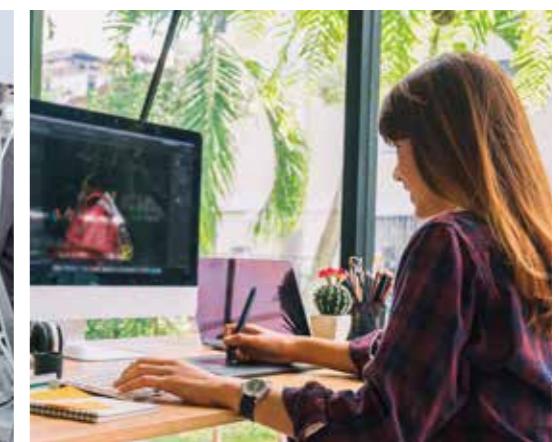
APU-DMU Dual Degree Programme



MEng Award by De Montfort University (DMU), UK



- APU's partnership with DMU enables students to be awarded Dual Awards - separate degree certificates from each institution - and enhances not just teaching and learning experiences, but also career prospects.
- Upon graduation, students will receive 2 Degree Certificates & Transcripts: 1 from APU, Malaysia and 1 from DMU, UK
- DMU Degree Certificate will be an MEng Award
- Both degrees are recognised locally & internationally
- The APU-DMU Dual Degree Programmes are offered under an approved collaboration in accordance with the QAA UK Quality Code for Higher Education for the Assurance of Academic Quality and Standards in Higher Education as published by the United Kingdom Quality Assurance Agency (QAA).





WORLDWIDE RECOGNITION

UNDER THE WASHINGTON ACCORD

The School of Engineering at APU is one of our fastest growing schools and is gaining popularity among school leavers. This is because all the five engineering programmes offered by the School are current in terms of technology and are market driven, and thus have great employment opportunities.

The vision of the School is to be a leading provider of Engineering and Technology based education with innovative approaches to enhancing lifelong career opportunities. This is emphasised by our mission to provide engineering education based on a theoretical, experimental, and ethical foundation and enhanced by opportunities for participation in research, internships and interdisciplinary study.

For all degrees within the School, APU links with industry helps provide internship training placements for students. Internships are compulsory for all students as per the requirement of the Board of Engineers Malaysia.

APU Engineering Degrees are fully accredited by the Board of Engineers Malaysia (BEM) which is a signatory to the Washington Accord.

- Bachelor of Engineering in Electrical & Electronic Engineering with Honours
- Bachelor of Engineering in Telecommunication Engineering with Honours
- Bachelor of Engineering in Mechatronic Engineering with Honours
- Bachelor of Computer Engineering with Honours
- Bachelor of Petroleum Engineering with Honours

ENGINEERING DEGREES ACCREDITED UNDER THE WASHINGTON ACCORD

INTERNATIONAL RECOGNITION

ENGINEERING DEGREES ACCREDITED UNDER THE WASHINGTON ACCORD

APU Engineering Degrees are fully accredited by the Board of Engineers Malaysia (BEM) which is a signatory to the Washington Accord.

APU Engineering Degrees are Accredited Professionally by the Board of Engineers Malaysia (BEM) and are therefore recognised internationally under the Washington Accord. Recognition under the Washington Accord allows for APU engineering programmes to be recognised by countries such as Australia, Canada, China, Chinese Taipei, Costa Rica, Hong Kong China, India, Ireland, Japan, Korea, Malaysia, New Zealand, Pakistan, Peru, Russia, Singapore, Sri Lanka, South Africa, Turkey, the United Kingdom and the United States who are all signatories of the accord.

This allows APU graduates to be recognised in these countries for career opportunities towards achieving Professional/Chartered Engineer status or for further education progression. Furthermore, many countries which are not yet signatories to the Washington Accord also use this as a benchmark in recognising Engineering Degrees.

This accreditation ensures that APU Engineering Graduates will have the following benefits in countries who are signatories of the Washington Accord:

- Opportunities to register as a Graduate Engineer with Board of Engineers Malaysia (BEM) or the relevant professional bodies in other countries who are signatories under the Washington Accord.
- Pathways to becoming a Professional or Chartered Engineer.
- Assurance that graduates are considered as having met international academic standards for engineering practice.

With this achievement, recognition under the Washington Accord enables APU Engineering graduates to work in any country in the world who are also a signatory to the Accord, without the need to re-qualify. The recognition is of utmost importance to the engineering education in Malaysia as graduates from accredited engineering degree programmes from Washington Accord signatory countries are considered as meeting the academic standard for practices in engineering at the international level.

Please refer to http://www.eac.org.my/web/list_accredited.html

The above benefits are applicable in the following countries, which are signatory to the Washington Accord:

"Signatories have full rights of participation in the Accord; qualifications accredited or recognised by other signatories are recognised by each signatory as being substantially equivalent to accredited or recognised qualifications within its own jurisdiction"

<http://www.ieagreements.org/acccords/washington/signatories/>

- | | | |
|--|---|---|
| <ul style="list-style-type: none">• Australia - Engineers Australia (1989)• Canada - Engineers Canada (1989)• China - China Association for Science and Technology (2016)• Chinese Taipei - Institute of Engineering Education Taiwan (2007)• Costa Rica - Colegio Federado de Ingenieros y de Arquitectos de Costa Rica (CFIA) (2020)• Hong Kong China - The Hong Kong Institution of Engineers (1995)• India - National Board of Accreditation (2014) (Applies only to programmes accredited by NBA offered by education providers accepted by NBA institutions.) | <ul style="list-style-type: none">• Ireland - Engineers Ireland (1989)• Japan - Japan Accreditation Board for Engineering Education (2005)• Korea - Accreditation Board for Engineering Education of Korea (2007)• Malaysia - Board of Engineers Malaysia (2009)• New Zealand - Institution of Professional Engineers NZ (1989)• Pakistan - Pakistan Engineering Council (2017)• Peru - Instituto de Calidad Y Acreditacion de Programas de Computacion, Ingenieria Y Tecnologia (ICACIT) (2018) | <ul style="list-style-type: none">• Russia - Association for Engineering Education of Russia (2012)• Singapore - Institution of Engineers Singapore (2006)• South Africa - Engineering Council of South Africa (1999)• Sri Lanka - Institution of Engineers Sri Lanka (2014)• Turkey - MUDEK (2011)• United Kingdom - Engineering Council UK (1989)• United States - Accreditation Board for Engineering and Technology (1989) |
|--|---|---|

"Organisations holding provisional status have been identified as having qualification accreditation or recognition procedures that are potentially suitable for the purposes of the Accord; those organisations are further developing those procedures with the goal of achieving signatory status in due course; qualifications accredited or recognised by organisations holding provisional status are not recognised by the signatories"

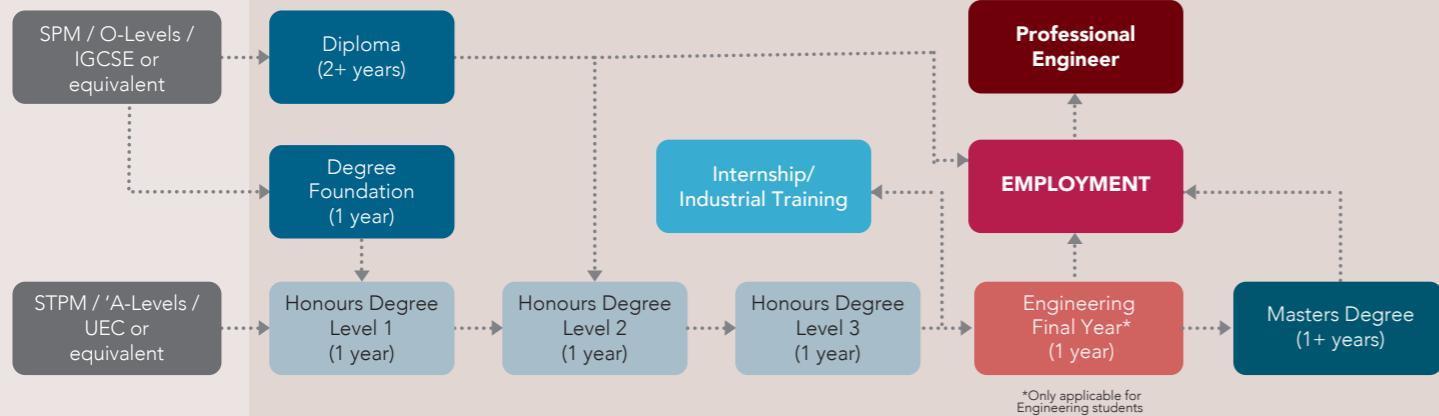
<http://www.ieagreements.org/acccords/washington/signatories/>

- | | |
|---|--|
| <ul style="list-style-type: none">• Bangladesh - Represented by The Institution of Engineers Bangladesh (IEB)• Chile - Represented by Agencia Acreditadora Colegio De Ingenieros De Chile S A (ACREDITA CI)• Indonesia - Represented by Indonesian Accreditation Board for Engineering Education (IABEE)• Myanmar - Represented by Myanmar Engineering Council (MEngC) | <ul style="list-style-type: none">• Mexico - Represented by Consejo de Acreditación de la Enseñanza de la Ingeniería (CACEI)• Philippines - Represented by Philippine Technological Council (PTC)• Thailand - Represented by Council of Engineers Thailand (COET) |
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Pathways & Admission Requirements

YOUR STUDY PROGRESSION



PATHWAYS & ADMISSION REQUIREMENTS

BACHELORS (HONS) ENGINEERING DEGREE PROGRAMMES

General Requirements	
DIRECT ENTRY TO LEVEL 1 OF THE DEGREE:	
STPM	<ul style="list-style-type: none"> - 2 Passes in SPM with a minimum Grade C (GP 2.0) in Mathematics and Physics (or Chemistry), and a Credit in Mathematics and Physics (or Chemistry) at SPM Level or its equivalent.
A-LEVEL	<ul style="list-style-type: none"> - 2 Passes in A-Level including Mathematics and Physics (or Chemistry), and a Credit in Mathematics and Physics (or Chemistry) at SPM/O-Level/IGCSE or its equivalent.
UEC	<ul style="list-style-type: none"> - 5 Grade B's in UEC, including Mathematics and Physics (or Chemistry).
MATRICULATION / FOUNDATION	<ul style="list-style-type: none"> - Passed the relevant Foundation programme (minimum CGPA of 2.0) with a Credit in Mathematics and Physics (or Chemistry) at SPM/O-Level/IGCSE or equivalent.
DIRECT ENTRY TO LEVEL 2 OF THE DEGREE:	
DIPLOMA	<ul style="list-style-type: none"> - Successful completion of the APU/APIIT Diploma or - Successful completion of studies in another recognised institute with academic credits equivalent to Level 1 of an Honours Degree (Subject to the approval of the APU/APIIT Academic Board)

Any qualification that APU accepts as equivalent to the above.

ENGLISH REQUIREMENTS (only applicable to International Students)

Programmes	Requirements
Foundation	<ul style="list-style-type: none"> IELTS : 4.0 TOEFL IBT : 30-31 Pearson (PTE) : 30 MUET : Band 2
Diploma and Bachelor (Hons) Engineering Degree Programmes	<ul style="list-style-type: none"> IELTS : 5.0 TOEFL IBT : 35-45 Pearson (PTE) : 36 MUET : Band 3

Please note that under Ministry of Higher Education regulations, only students who have achieved the minimum requirement in the English Language proficiency assessment as indicated above will be allowed to continue their studies in the main study programme. Students who do not have the required English Language achievement may apply for a student visa on conditional basis and are allowed to enrol in an English Language Certification programme at APU upon arrival in Malaysia and, subsequently, appear for the IELTS/TOEFL/PTE/MUET assessment.

Students who are unable to obtain the required level of English Competency during the maximum 12 months' period, will not be allowed to pursue their studies in the main programme and will have to return to their home country.
Students from English speaking countries and those with qualifications taught in English (IGCSE, A-Levels, IB, American High School Diploma etc) are exempted from English requirements. Applications for exemption must be accompanied by supporting documents.

Note: The above entry requirements may differ for specific programmes based on the latest programme standards published by Malaysian Qualifications Agency (MQA).

Foundation Programme - Flexibility of Choice

Duration: 1 Year (3 Semesters)

MODULES YOU STUDY

The modules studied help develop your study skills, introduce you to what you can expect on your degree and also allow you to discover what you can study depending on whether you choose a degree in Accounting, Banking, Finance, Actuarial Studies, Psychology, Business & Management, Computing & Technology, Engineering, Industrial Design, Animation and Visual Effects.

ENRICHING EXPERIENCES - MORE THAN JUST A FOUNDATION

The APU Foundation Programme lays the pathway towards professional tertiary education. It is a vital transformation point for students; soft skills, general knowledge and preparatory subject fundamentals acquired at the Foundation lead to excellence in a student's education performance, as well as career-readiness as they move on as global professionals eventually. This is achieved through 4 key areas:

- Leadership & Teamwork
- Problem-Solving Skills
- Social Skills & Responsibilities
- Practical Skills

The unique support system at APU Foundation Programme consist of helpful academic mentors who are committed in ensuring academic achievements, providing pastoral care, advising, mentoring, motivating students' potential and performance, to ensure that they undergo a smooth transition from secondary education to tertiary learning.

SEMESTER 1		COMMON SEMESTER 1			
ROUTES	►	BUSINESS & FINANCE	COMPUTING & TECHNOLOGY	ENGINEERING	DESIGN
SEMESTER 2		<ul style="list-style-type: none"> • Introduction to Business • Fundamental of Finance • Global Business Trends • Public Speaking in English 	<ul style="list-style-type: none"> • Introduction to Business • Introduction to Computer Architecture & Networking • Introduction to Visual & Interactive Programming • Public Speaking in English 	<ul style="list-style-type: none"> • Engineering Science • Engineering Mathematics • Introduction to Visual & Interactive Programming • Public Speaking in English 	<ul style="list-style-type: none"> • Imaging/Production Skills for Design • Major Project 1 • Design Theory and Practice 1 • Public Speaking in English
SEMESTER 3		<ul style="list-style-type: none"> • Academic Research Skills • Principles of Accounts • Economics for Business • Perspectives in Technology / Further Mathematics** • Co-Curricular 	<ul style="list-style-type: none"> • Academic Research Skills • Further Mathematics • Introduction to Multimedia Applications • Perspectives in Technology • Co-Curricular 	<ul style="list-style-type: none"> • Academic Research Skills • Mechanical Science / Engineering Chemistry • Perspectives in Technology • Electrical and Electronic Principles • Co-Curricular 	<ul style="list-style-type: none"> • Academic Research Skills • History of Design and Media • Major Project 2 • Design Theory and Practice 2 • Co-Curricular
You may then proceed to Level 1 of a Degree of your choice in the following pathways					
PRIMARY PATHWAYS	►	<ul style="list-style-type: none"> - Business & Management - Accounting, Finance, Banking & Actuarial Studies - Media & Communications - Psychology 	- Computing & Technology	- Engineering	- Industrial Design, Visual Effects, Animation & Digital Advertising
SECONDARY PATHWAYS	►	<ul style="list-style-type: none"> - Computing & Technology - Industrial Design, Visual Effects, Animation & Digital Advertising - International Relations <p>Students may also choose the following:</p>	<ul style="list-style-type: none"> - Business & Management - Accounting, Finance, Banking & Actuarial Studies - Industrial Design, Visual Effects, Animation & Digital Advertising - International Relations - Media & Communications - Psychology 	<ul style="list-style-type: none"> - Computing & Technology - Accounting, Finance, Banking & Actuarial Studies - Business & Management - Industrial Design, Visual Effects, Animation & Digital Advertising - International Relations - Media & Communications - Psychology 	<ul style="list-style-type: none"> - Computing & Technology - Accounting, Finance, Banking & Actuarial Studies - Business & Management - International Relations - Media & Communications - Psychology

YOUR FOUNDATION PATHWAY TO A DEGREE OF YOUR CHOICE

(Please refer to individual course brochure for details and admission requirements.)

CREDIT / GRADE C in SPM / O-Level / IGCSE is required in:



Leading from APU Foundation to your Choice of Degree Studies; please note that a Credit Pass in Mathematics at SPM / O-Level / IGCSE is required for the following programmes:

Computing, Technology & Games Development

- BSc (Hons) in Information Technology
- BSc (Hons) in Information Technology with a specialism in
 - Information Systems Security
 - Cloud Computing
 - Network Computing
 - Mobile Technology
 - Internet of Things (IoT)
 - Digital Transformation
 - Financial Technology (FinTech)
 - Business Information Systems
- BSc (Hons) in Computer Science*
- BSc (Hons) in Computer Science with a specialism in
 - Data Analytics*
 - Digital Forensics*
- BSc (Hons) in Computer Science (Cyber Security)*
- BSc (Hons) in Software Engineering*
- Bachelor of Computer Science (Hons) (Intelligent Systems)*
- BSc (Hons) in Multimedia Technology
- BSc (Hons) in Multimedia Technology with a specialism in VR/AR
- BSc (Hons) in Computer Games Development

Accounting, Banking, Finance & Actuarial

- BA (Hons) in Accounting and Finance
- BA (Hons) in Accounting and Finance with a specialism in Forensic Accounting
- BA (Hons) in Accounting and Finance with a specialism in Taxation
- BA (Hons) in Accounting and Finance with a specialism in Forex and Investments
- BA (Hons) in Accounting and Finance with a specialism in Internal Audit
- Bachelor in Banking and Finance (Hons)
- Bachelor in Banking and Finance (Hons) with a specialism in Investment and Risk Management
- Bachelor in Banking and Finance (Hons) with a specialism in Financial Technology
- Bachelor of Science (Honours) in Actuarial Studies

CREDIT / GRADE C in SPM / O-Level / IGCSE is required in:



Physics OR Chemistry OR Technical Science

Leading from APU Foundation to your Choice of Degree Studies; please note that a Credit Pass in Mathematics and Physics OR Chemistry at SPM / O-Level / IGCSE is required for the following programmes:

Engineering

- Bachelor of Engineering in Electrical & Electronic Engineering with Honours
- Bachelor of Engineering in Telecommunication Engineering with Honours
- Bachelor of Engineering in Mechatronic Engineering with Honours
- Bachelor of Computer Engineering with Honours
- Bachelor of Petroleum Engineering with Honours

CREDIT / GRADE C in SPM / O-Level / IGCSE is required in:



Science OR Physics OR Chemistry OR Biology

Leading from APU Foundation to your Choice of Degree Studies; please note that a Credit Pass in Mathematics and Science OR Physics OR Chemistry OR Biology and a Pass in English at SPM / O-Level / IGCSE is required for the following programme:

Psychology

- Bachelor of Science (Honours) in Psychology

Leading from APU Foundation to your Choice of Degree Studies:

Business, Management, Marketing, Digital Marketing & Tourism

- BA (Hons) in Business Management
- BA (Hons) in Business Management with a specialism in
 - E-Business
 - Digital Leadership
- BA (Hons) Human Resource Management
- BA (Hons) in International Business Management
- BA (Hons) in Marketing Management
- BA (Hons) in Marketing Management with a specialism in Digital Marketing
- BA (Hons) in Tourism Management

Media and International Relations

- Bachelor of Arts (Honours) in Media and Communication Studies
- BA (Hons) in International Relations

Industrial Design, Animation & Visual Effects

- BA (Hons) in Industrial Design
- BA (Hons) in Visual Effects
- BA (Hons) in Animation
- BA (Hons) in Digital Advertising



* Students who choose to progress to Computer Science, Software Engineering, Data Analytics, Cyber Security, Digital Forensics and Intelligent Systems programmes will be required to undertake Foundation Pathways from the Computing & Technology route or Engineering route if the student does not have a credit in Additional Mathematics at SPM / O-Level / IGCSE or equivalent.

Students who have completed Foundation from other routes apart from the above are required to do a Pre-Requisite module in Further Mathematics or equivalent in the first semester of the Degree Programme, provided they also still have Credit in Maths and Science or ICT subject at SPM / O-Level / IGCSE or equivalent.

** Further Mathematics module or subject is Compulsory for students who choose to progress to Bachelor of Science (Honours) in Actuarial Studies.

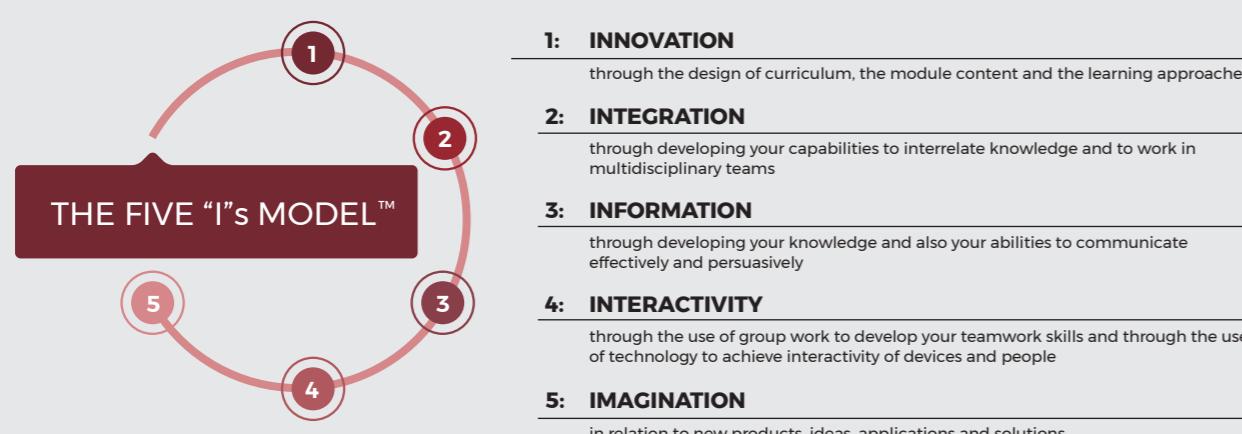
Engineering @APU



THE AIMS OF THE APU ENGINEERING PROGRAMMES ARE TO OFFER:

- A broad education in the fundamentals of engineering principles and professional practices that form a strong flexible base which enables graduates to fill a variety of responsible engineering positions
- Specialised development in one area of concentration that will enable graduates to successfully perform at entry-level engineering positions. Some graduates will prefer and be capable of continuing their education in a graduate school
- A stimulating and accessible course of study necessary to understand the impact of engineering solutions in a global and social context, analysis and contemporary engineering issues which the students can develop and apply in their near future
- An opportunity for students with different abilities and different educational experiences to benefit intellectually and vocationally from their education in engineering courses
- Graduates who are able to demonstrate intelligence, ingenuity, inventiveness and independence in all areas of endeavour
- An intellectually demanding and stimulating programme of study and develop a life-long commitment to learning that develops graduates who are imaginative and innovative and who show initiative and creativity in their work

APU Engineering Degrees are accredited by the **Board of Engineers Malaysia (BEM)**.



Engineering Programmes

Bachelor of Engineering in Electrical & Electronic Engineering with Honours

An Electrical or Electronic Engineer maybe responsible for research, design, development, manufacturing and management of complex hardware and software systems and reliable, cost effective devices, many involving the use of new information and computer intensive technologies. These include:

- Integrated electronic systems
- Renewable energy systems
- Generation, transmission and distribution of electrical power
- Instrumentation in electrical and electronic systems
- Manufacturing
- Microelectronics
- Photoelectronics

Bachelor of Engineering in Mechatronic Engineering with Honours

Mechatronic Engineering is concerned with the creation, design and building of intelligent machines. This new breed of engineer has to master skills in mechanical, electronic and computer engineering and work in a hybrid manner, meeting an ever-increasing need in industry where complexity of projects is rising and resources are limited. The main areas of activity are:

- Fundamental design and build - ways of embedding intelligence and interfacing to the real world
- Process control - plant condition monitoring and control
- Advance robotics and intelligent Machines
- Image Processing and collision avoidance
- Industrial system such as CIM system, CAD/CAM system
- Design and develop a Mechatronics system

Bachelor of Engineering in Telecommunication Engineering with Honours

Telecommunication Engineers design, develop, test and maintain telecommunication systems to ensure fast and steady transmission and reception of information. Telecommunication engineering will appeal to those who are interested in the following field:

- Satellite and mobile communication
- Signal processing
- Optical fibres and photonics
- Real-time embedded systems
- Data networks, data coding, compression, encryption and transmission
- Microwave & RF Communications

Bachelor of Computer Engineering with Honours

Computer engineering has emerged as a driving force addressing numerous global demands like smart grids, cognitive buildings, energy management and the likes. Operating platforms for more and more applications have been migrating to the cloud in recent days. Bridging the gap between hardware and software, are Computer Engineers, advancing computer technology towards transforming more and more of these cyber dreams into realities. Some of the areas covered in this major are:

- Digital Logic Design
- Computer Networks
- Embedded and Desktop Operating Systems
- Microcontroller Selection and Programming
- Signal Processing

Bachelor of Petroleum Engineering with Honours

Petroleum engineers travel to where petroleum reservoirs are known to exist. They define and develop the reservoirs, and produce oil and gas with maximum profitable recovery. Petroleum engineering allows one to specialise in several different oil & gas specialties, each with its own unique challenges and rewards. The careers and job activity areas are as a:

- Drilling engineer, working with geologists and contractors in designing and supervising drilling operations.
- Production engineer, developing processes and equipment to optimise oil and gas production.
- Reservoir engineer and help determine ideal recovery processes, estimate the number of wells that can be economically drilled, and simulate future performance using sophisticated computer models.
- Manager, an entrepreneur, economist, or environmental/safety specialist.

PROGRAMME EDUCATIONAL OBJECTIVES

PEO	ELECTRICAL AND ELECTRONIC ENGINEERING (EEE)	MECHATRONIC ENGINEERING (ME)	TELE-COMMUNICATION ENGINEERING (TE)	COMPUTER ENGINEERING (CE)	PETROLEUM ENGINEERING (PE)
PEO1	Be a practicing engineer contributing to the development of Electrical or Electronic Engineering while demonstrating professionalism.	Be a practicing engineer contributing to the development of Mechatronic Engineering while demonstrating professionalism.	Be a practicing engineer contributing to the development of Telecommunication or Electronic Engineering while demonstrating professionalism.	Be a practicing engineer contributing to the development of Computer or Electronic Engineering while demonstrating professionalism.	Be a practicing engineer contributing to the development of Petroleum Engineering while demonstrating professionalism.
PEO2	Pursue engineering innovation via career advancement opportunities and/or advanced studies in Electrical or Electronic Engineering.	Pursue engineering innovation via career advancement opportunities and/or advanced studies in Mechatronic Engineering.	Pursue engineering innovation via career advancement opportunities and/or advanced studies in Telecommunication or Electronic Engineering.	Pursue engineering innovation via career advancement opportunities and/or advanced studies in Computer or Electronic Engineering.	Pursue engineering innovation via career advancement opportunities and/or advanced studies in Petroleum Engineering.

PROGRAMME LEARNING OUTCOMES

The students, upon completion of their study, should attain the following outcomes:

- PLO1 - Ability to gain and apply principles of Mathematics, Science and Engineering to the solutions of complex engineering problems.
- PLO2 - Ability to undertake complex engineering problem analysis and apply engineering principles to solve them.
- PLO3 - Ability to design innovative solutions for complex engineering problems.
- PLO4 - Ability to investigate complex engineering problems using research techniques.
- PLO5 - Ability to select and use suitable tools and techniques for complex engineering problems.
- PLO6 - Ability to engage in professional engineering practice for safety, health, social, cultural and legal responsibilities in developing solutions for complex engineering problems.
- PLO7 - Ability to comprehend and demonstrate good practices of engineering in sustainable development and environmental considerations for the solutions of complex engineering problems.
- PLO8 - Ability to execute the responsibilities of an Engineer professionally and ethically.
- PLO9 - Ability to function effectively as a team leader or a member in a team within multi-disciplinary settings.
- PLO10 - Ability to communicate effectively and professionally on complex engineering activities.
- PLO11 - Ability to demonstrate entrepreneurship skills, engineering project management and economic decision making in multidisciplinary environments.
- PLO12 - Ability to recognise the need for, and be able to engage in independent and life-long learning towards continuous professional development.

Collaborative Industrial Partners



The School of Engineering at APU is very active in pursuing collaborative partnership with industries with an aim to expose students to professional engineering practices as early as possible in their studies and to provide students opportunities to solve real-world engineering problems as a form of grooming for engineering careers upon graduation. The School of Engineering has been collaborating with industries on two fronts, i.e. to work with professional and industrial institutions, and with multinational corporations and small & medium enterprises (SMEs).

On collaboration with professional institutions, the School of Engineering collaborate closely with the Institution of Engineers Malaysia (IEM). Since then, IEM has been very supportive on all activities organised by the IEM-APU Student Section (IASS) via funding and provision of expertise on technical talks, seminars and workshops. All engineering students are also highly encouraged to participate in IEM activities as Student Member of the institute. The strong ties with IEM has provided students an early appreciation of the roles of engineers and the challenges ahead. For 4 consecutive years, our Final Year students were awarded the IEM Gold Medal Award in which their excellence and outstanding performance were highly recognised by IEM and the members of the industry.

The School of Engineering has also established a MOU with Malaysia Automation Technology Association (MATA) with an aim to expose students to automation technologies via internships, workshops, technical talks and opportunities to work on final-year projects at member companies of MATA. The partnership with MATA has been going from strength-to-strength since 2014, with the successful launch of Automation Technology Day both in 2015 and 2016. The event has provided students great opportunities to seek employment and internship with some of the MATA member companies such as Schneider Electric, Siemens, Festo, Omron, among others. In addition, students also benefitted from the technical talks on Industrial 4.0, Internet of Things (IoT) and workshops on PLC & Pneumatics etc.

The School of Engineering also champions industrial collaboration with companies, be it multinational corporations or SMEs. The companies typically provide final-year project (FYP) titles for qualified 4th Year students to work on. A number of projects have been initiated and completed successfully with companies such as Top Glove, ABB, Daikin R&D, Mawea Industries, ERL Maintenance Support, Signal Transmission, among others. In addition, many such projects resulted from the proactive efforts of the lecturers in establishing Memorandum of Agreements (MOAs) with companies. All these have resulted in a win-win situation whereby companies benefit from the outcome of the research and development efforts while students are able to solve real-work complex engineering problems by leveraging on resources and expertise from the industries.



Our Engineering students won the APCTA Malaysia award, which is also known as the 'Oscars of ICT'.

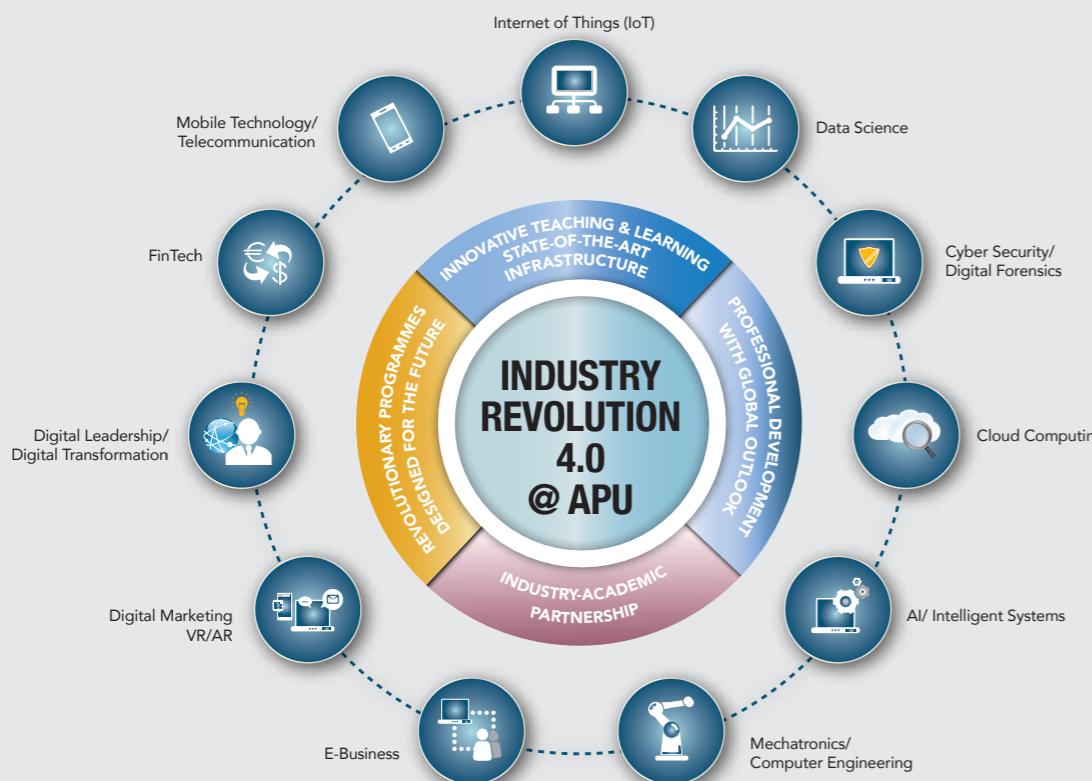
Our Final Year Engineering students have attained the IEM Gold Medal for 6 consecutive years.

Embracing the wave of Industry Revolution 4.0

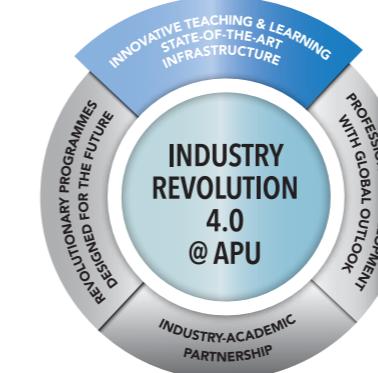
FUTURE-PROOFING THE WORKFORCE OF THE FUTURE

New waves of technological disruptions and the emergence of advanced technologies have resulted in the Fourth Industrial Revolution (Industry 4.0), where Robotics, Artificial Intelligence (AI), Machine Learning, Virtual Reality (VR), Cloud Computing, Internet of Things (IoT), Data Science are going to transform the way businesses operate – routine, mundane jobs will be replaced and there is a growing need to develop “smarter” talents that can ride along the wave of digital transformation.

At APU, we developed our own IR 4.0 strategy to prepare our students to join the workforce of the future. We nurture the world's future innovators and uphold our Vision as a University of Technology and Innovation.

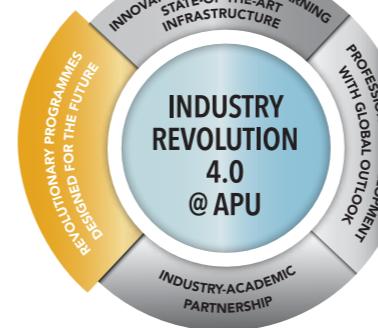


INDUSTRY REVOLUTION 4.0 @ APU



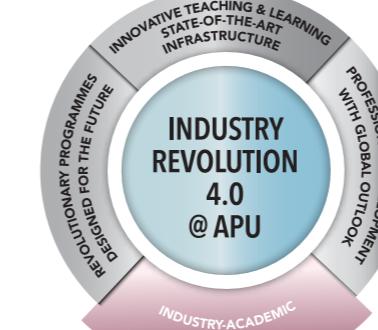
INNOVATIVE TEACHING & LEARNING STATE-OF-THE-ART INFRASTRUCTURE

In the era of Industry 4.0, learning is no longer confined within the classroom. Our iconic campus houses world-class facilities that aim to nurture Creativity & Innovation. Industrial-grade infrastructure are built to provide real-life exposure to our students, cultivating their practical skills aside from academic knowledge. We have also redesigned our teaching & learning methods to stimulate critical thinking, decision making, teamwork and build confidence.



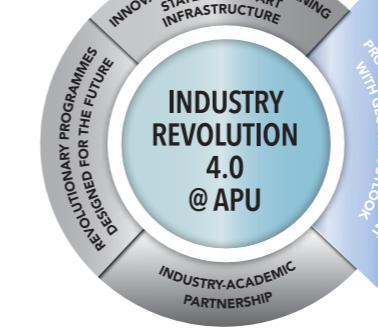
REVOLUTIONARY PROGRAMMES DESIGNED FOR THE FUTURE

New technologies mean new expertise, while this translates into a new need of talents in new areas. We address the needs of the industry, to help to build talents who can manage, operate and innovate under the new IR 4.0 environment, by carefully designing new programmes of the future. Our programmes are first-of-its-kind, such as in Cyber Security, Data Science, Internet of Things (IoT), Intelligent Systems, Digital Leadership, Digital Transformation, VR/ AR, Financial Technology (FinTech), Digital Marketing, E-Business, Mechatronics, Computer Engineering, Telecommunication, Cloud Computing and more.



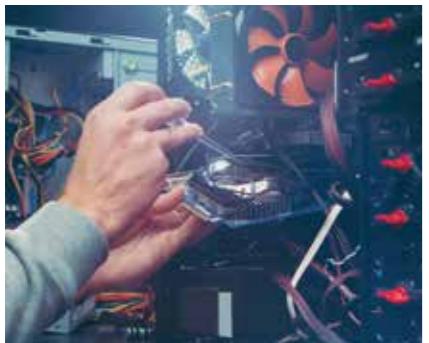
INDUSTRY-ACADEMIC PARTNERSHIP

Industry 4.0 is all about the “industry”. Our close relationship with our industry partners allows students to be exposed to real-life case studies, enabling them to formulate innovative solutions even before they graduate. Innovative accelerators such as GrowthX Academy and Supercharger create a platform for students to realise their world-changing ideas, inspiring them to build startups and develop world-changing solutions.



PROFESSIONAL DEVELOPMENT WITH GLOBAL OUTLOOK

Communication skills, professionalism and cultural sensitivity are ‘people’ element skills that cannot be replaced by machines and automation. Under our unique formula to nurture professionalism, we create an ecosystem that simulates the workplace on-campus. Global outlook, international understanding and respect are nurtured through continuous immersion in multicultural discourse, as our campus houses a community of 12,000 students from over 130 countries.



Bachelor of Engineering in **ELECTRICAL & ELECTRONIC ENGINEERING** with Honours

(R2/522/6/0060)(02/22)(MQA/FA4013)



Duration:
4 years full-time

This programme is specifically designed to provide students with:

- High-quality undergraduate engineering education by providing students with a curriculum that is firmly grounded in electrical & electronic engineering fundamentals.
- A study in both the areas of electronics fundamentals as well as electrical power systems including the areas of generation, transmission and distribution of electrical energy.

Career options

- Electrical Engineer
- Power Engineer
- Design Engineer
- Product Engineer
- Electronics Engineer
- QA/QC Engineer
- Sales Engineer
- Support Engineer
- R&D Engineer
- Power Plant Engineer
- Optical Engineer
- Transmission Engineer



At a glance

Module outline

YEAR 1

Common Modules

- Analysis of Circuits
- Instrumentation & Measurement
- Fundamentals of Entrepreneurship
- Engineering Mathematics 1
- Engineering Mathematics 2
- Introduction to C Programming
- Programming with Python
- Engineering Materials
- Engineering Design

YEAR 2

Common Modules

- Analogue Electronics
- Digital Electronics
- Engineering Mathematics 3
- Electromagnetic Field Theory
- Engineering Software & Applications
- Signals and Linear Systems

Specialised Modules

- Electrical Machines 1
- Electrical Machines 2
- Electrical Power Utilization
- Sensors & Actuators

YEAR 3

Common Modules

- Control Engineering
- Machine Vision & Intelligence
- Communication Engineering Principles
- Numerical Methods & Statistics
- Microprocessor Systems & Embedded Software
- Digital Signal Processing
- Generation, Transmission and Distribution of Electrical Power
- Industrial Automation and Power Electronics & Drives
- Engineering Project Management

Specialised Modules

- Generation, Transmission & Distribution of Electrical Power
- Industrial Automation
- Power Electronics & Drives

INTERNSHIP (16 weeks)

YEAR 4

Common Modules

- Project Phase 1 (Investigation)
- Project Phase 2 (Implementation)
- Group Design Project
- Engineer in Society

Specialised Modules

- Analogue Integrated Circuits and Systems
- Power System Analysis
- High Voltage Engineering

Elective Modules (Choose 2)

- Switchgears & Protection
- Renewable Energy
- Optical Communication & Network
- Product Creation Technology

MQA Compulsory Subjects*

- Ethnic Relations (M'sian Students)
- Islamic & Asian Civilisation (M'sian Students)
- Malaysian Studies (Int'l Students)
- Malay Communication Language (Int'l Students)
- Workplace Professional Communication Skills
- Employee & Employment Trends
- Co-Curriculum

(*All students are required to successfully complete these modules as stipulated by the Malaysian Qualification Agency)



Bachelor of Engineering in **TELECOMMUNICATION ENGINEERING** with Honours

(R2/522/6/0116)(02/22)(MQA/FA4014)



At a glance

Module outline

YEAR 1

Common Modules

- Analysis of Circuits
- Instrumentation & Measurement
- Fundamentals of Entrepreneurship
- Engineering Mathematics 1
- Engineering Mathematics 2
- Introduction to C Programming
- Programming with Python
- Engineering Materials
- Engineering Design

Specialised Module

- Introduction to Networking

YEAR 2

Common Modules

- Analogue Electronics
- Digital Electronics
- Introduction to Electrical Systems
- Engineering Mathematics 3
- Electromagnetic Field Theory
- Engineering Software & Applications
- Analogue Electronics
- Digital Electronics
- Analogue and Digital Communication
- Introduction to Electrical Systems
- Signals & Linear Systems
- Linear Systems and more.

Specialised Modules

- Human Computer Interaction
- Analogue and Digital Communication
- Network Security

YEAR 3

Common Modules

- Control Engineering
- VLSI Design
- Numerical Methods & Statistics
- Microprocessor Systems & Embedded Software
- Digital Signal Processing
- Engineering Project Management

Specialised Modules

- Antenna & Propagation
- Machine Vision & Intelligence
- Modern Communication System

INTERNSHIP (16 weeks)

Students will undertake an Internship/Industrial Training for a minimum period of 16 weeks to prepare them for a smooth transition from the classroom to the working environment.

YEAR 4

- Project Phase 1 (Investigation)
- Project Phase 2 (Implementation)
- Group Design Project
- Engineer in Society

Specialised Modules

- Analogue Integrated Circuits and Systems
- Optical Communications & Networks
- Microwave & RF Communication

Elective Modules (Choose 2)

- Cloud Infrastructure & Services
- Distributed Computer Systems
- Internet of Things: Concepts & Applications
- Computer Systems Security
- Satellite & Mobile Communication
- Renewable Energy
- Product Creation Technology

MQA Compulsory Subjects*

- Ethnic Relations (M'sian Students)
- Islamic & Asian Civilisation (M'sian Students)
- Malaysian Studies (Int'l Students)
- Malay Communication Language (Int'l Students)
- Workplace Professional Communication Skills
- Employee & Employment Trends
- Co-Curriculum



(*All students are required to successfully complete these modules as stipulated by the Malaysian Qualification Agency)



Bachelor of Engineering in MECHATRONIC ENGINEERING with Honours

(R2/523/6/0191)(02/22)(MQA/FA4084)



Duration:
4 years full-time

This programme is specifically designed to provide students with:

- High-quality undergraduate engineering education by providing students with a curriculum that is firmly grounded in Mechatronic engineering fundamentals.
- A study of basic engineering sciences and fundamentals of mechanical, electrical, electronics and computer engineering. Students will be able to integrate these four disciplines.
- The technical skills to design, analyse and test "intelligent" products or processes that incorporate suitable controller, sensor and mechatronic devices for robotics and automation.

Career options

- Automation Engineer
- Mechatronic Engineer
- Mechanical Engineer
- Service Engineer
- QA/QC Engineer
- Sales Engineer
- Support Engineer
- R&D Engineer
- Manufacturing Engineer
- IoT Engineer
- Robotics Engineer
- Plant Engineer
- Design Engineer



At a glance

Module outline

YEAR 1

Common Modules

- Analysis of Circuits
- Instrumentation & Measurement
- Fundamentals of Entrepreneurship
- Engineering Mathematics 1
- Engineering Mathematics 2
- Introduction to C Programming
- Programming with Python
- Engineering Materials
- Engineering Design
- Engineering Statics & Dynamics

YEAR 2

Common Modules

- Analogue Electronics
- Digital Electronics
- Introduction to Electrical Systems
- Engineering Mathematics 3
- Electromagnetic Field Theory
- Engineering Software & Applications
- Signals and Linear Systems

Specialised Modules

- Strength of Material
- Robotics Technology
- Sensors & Actuators

YEAR 3

Common Modules

- Control Engineering
- Communication Engineering Principles
- Numerical Methods & Statistics
- Microprocessor Systems & Embedded Software
- Engineering Project Management

Specialised Modules

- Machine Design
- Fluid Mechanics
- Industrial Automation
- Machine Vision & Intelligence

Elective Modules (Choose 1)

- Digital Signal Processing
- Power Electronics & Drives

INTERNSHIP

Students will undertake an Internship/Industrial Training for a minimum period of 16 weeks to prepare them for a smooth transition from the classroom to the working environment.

YEAR 4

Common Modules

- Project Phase 1 (Investigation)
- Project Phase 2 (Implementation)
- Group Design Project
- Engineer in Society

Specialised Modules

- Analogue Integrated Circuits & Systems
- CAD/CAM
- Thermodynamics & Heat Transfer
- Product Creation Technology

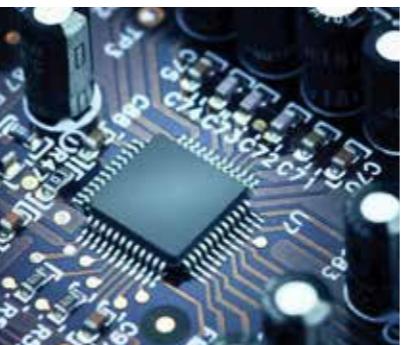
Elective Modules (Choose 1)

- Cloud Infrastructure & Services
- Internet of Things: Concepts & Applications

MQA Compulsory Subjects*

- Ethnic Relations (M'sian Students)
- Islamic & Asian Civilisation (M'sian Students)
- Malaysian Studies (Int'l Students)
- Malay Communication Language (Int'l Students)
- Workplace Professional Communication Skills
- Employee & Employment Trends
- Co-Curriculum

(*All students are required to successfully complete these modules as stipulated by the Malaysian Qualification Agency)



Bachelor of COMPUTER ENGINEERING with Honours

(R2/523/6/0190)(02/22)(MQA/FA5127)



At a glance

Module outline

YEAR 1

Common Modules

- Analysis of Circuits
- Fundamentals of Entrepreneurship
- Instrumentation & Measurement
- Engineering Design
- Engineering Mathematics 1
- Engineering Mathematics 2
- Introduction to C Programming
- Programming with Python
- Engineering Materials

Specialised Module

- Introduction to Networking

YEAR 2

Common Modules

- Analogue Electronics
- Digital Electronics
- Introduction to Electrical Systems
- Engineering Mathematics 3
- Electromagnetic Field Theory
- Engineering Software & Applications
- Signals & Linear Systems

Specialised Modules

- Human Computer Interaction
- Object Oriented Development with Java
- Programming Concepts in C++

YEAR 3

Common Modules

- Control Engineering
- Communication Engineering Principles
- VLSI Design
- Numerical Methods & Statistics
- Microprocessor Systems and Embedded Software
- Digital Signal Processing
- Engineering Project Management

Specialised Modules

- Modern Communication Systems
- Machine Vision & Intelligence

INTERNSHIP (16 weeks)

YEAR 4

Common Modules

- Project Phase 1 (Investigation)
- Project Phase 2 (Implementation)
- Group Design Project
- Engineer in Society

Specialised Modules

- Analogue Integrated Circuits & Systems
- Computer Systems Security
- Knowledge Discovery & Big Data Analytics

Elective Modules (Choose 2)

- Cloud Infrastructure & Services
- Distributed Computer System
- Internet of Things: Concepts & Applications
- Network Troubleshooting
- Emergent Technology

MQA Compulsory Subjects*

- Ethnic Relations (M'sian Students)
- Islamic & Asian Civilisation (M'sian Students)
- Malaysian Studies (Int'l Students)
- Malay Communication Language (Int'l Students)
- Workplace Professional Communication Skills
- Employee & Employment Trends
- Co-Curriculum



(*All students are required to successfully complete these modules as stipulated by the Malaysian Qualification Agency)



Bachelor of PETROLEUM ENGINEERING with Honours



(N/544/6/0004)(10/27)(MQA/FA6546)

At a glance

Module outline

Duration:

4 years full-time

This programme is specifically designed to provide students with:

- High quality undergraduate engineering education that combines petroleum, gas and exploration engineering to cater for the ever-demanding oil and gas industry.

- The ability to apply engineering principles to the design, development and operation of systems for locating, extracting, processing and refining crude petroleum and natural gas, including mining and drilling systems, processing and refining systems and facilities, storage facilities, transportation systems, and related environmental and safety systems.

Career options

- Production Engineer
- Commissioning Engineer
- Reservoir Engineer
- Well Completion Engineer
- Drilling Engineer
- Process Engineer
- Oil & Gas Design Engineer
- Plant Engineer
- Petroleum Geologist

YEAR 1

Students will understand the basic principles of engineering in the areas of Petroleum Engineering, Petroleum Geology, Engineering Materials etc. Other modules aim to provide the basic academic skills required to meet the demands of employers, as well as thorough grounding in principles of IT and entrepreneurship. Important and relevant skills for managing activities and for their own independent learning are also introduced.

YEAR 2

Here, students start specialising in modules that develop the necessary underlying knowledge and skills in Petroleum Engineering with modules such as Rocks & Fluid Properties, Formation Evaluation & Well Logging etc. Other modules such as Introduction to Engineering Software and Applications is used to provide better understanding of software skills.

YEAR 3

Specialised knowledge and skills in the areas of Reservoir Simulation, Drilling Engineering, Reservoir Engineering, Well Design & Completion, Production Engineering, Enhanced Oil Recovery, Well Testing, Gas Engineering and Numerical Methods & Statistics are the critical focus of this level. There is further development of the ability to apply relevant engineering skills with strong critical thinking and analysis. Independent learning continues in all modules.

INTERNSHIP

Students will undertake an Internship/Industrial Training for a minimum period of 16 weeks to prepare them for a smooth transition from the classroom to the working environment.

YEAR 4

The final year Engineering modules provide the necessary industry application and technological skills which become very useful for employment upon graduation. Students' personal and professional development, technical capability and understanding of how to innovate, generate and manage the creation of new ideas will be enhanced via Engineering Projects.

B.Eng (Hons) in Petroleum Engineering is powered by:



The infusion of software application for petroleum engineering has been fully incorporated into the curriculum. This is in line with the industry's move towards Digital Transformation and enhancing productivity in the field. Strong Industry-Academia partnerships at APU with organisations such as Petroleum Experts Limited, UK (PETEX) and Rock Flow Dynamics Ltd., USA (RFD) have allowed for the provision of industrial software for student learning and research purposes. APU students have the hands-on practical experiences through petroleum engineering related software tools which also are being applied in their Field Development Project (FDP) and Final Year Project (FYP) works. APU is one of the first universities in Malaysia to provide students with a combination of Integrated Production Modelling (IPM) and Reservoir Engineering Simulation (tnav) modern industrial tools. Further strengthening the curriculum is the application of the Computer Modelling Group (CMG) software which is used for reservoir modelling and enhanced oil recovery studies.

YEAR 1

Common Modules

- Fundamentals of Entrepreneurship
- Engineering Mathematics 1
- Engineering Mathematics 2
- Introduction to C Programming
- Programming with Python
- Engineering Materials
- Engineering Design
- Engineering Statics & Dynamics

Specialised Modules

- Fundamental of Petroleum Engineering
- Petroleum Geology

YEAR 2

Common Modules

- Engineering Software and Applications
- Engineering Mathematics 3

Specialised Modules

- Petroleum Geochemistry
- Element of Reservoir Rock & Fluid Properties
- Fluid Mechanics
- Safety in Oil & Gas Engineering
- Formation Evaluation & Well Logging
- Reservoir Engineering 1
- Thermodynamics & Heat Transfer
- Sustainable Development

YEAR 3

Common Modules

- Numerical Methods & Statistics
- Engineering Project Management

Specialised Modules

- Reservoir Simulation
- Drilling Engineering
- Reservoir Engineering 2
- Well Design & Completion
- Production Engineering
- Enhanced Oil Recovery
- Well Testing
- Gas Engineering

INTERNSHIP (16 weeks)

YEAR 4

Common Modules

- Project Phase 1 (Investigation)
- Project Phase 2 (Implementation)
- Engineer in Society

Specialised Modules

- Field Development Project 1
- Field Development Project 2
- Petroleum Economics

Elective Modules (Choose 2)

- Advanced Well Test Analysis
- Advanced Drilling Engineering
- Drilling Hydraulics
- Advance Well Completion

MQA Compulsory Subjects*

- Ethnic Relations (M'sian Students)
- Islamic & Asian Civilisation (M'sian Students)
- Malaysian Studies (Int'l Students)
- Malay Communication Language (Int'l Students)
- Workplace Professional Communication Skills
- Employee & Employment Trends
- Co-Curriculum

(*All students are required to successfully complete these modules as stipulated by the Malaysian Qualification Agency)



Engineering Your Success

APU'S SCHOOL OF ENGINEERING, OUR ULTIMATE FORMULA TO SUCCESS:

OUTCOME BASED CURRICULUM

VALUE ADDED SKILLS TRAINING

STUDENT INDUSTRIAL ACTIVITIES

PROFESSIONAL DEVELOPMENT

ENGINEERING PROGRAMME STRENGTHS

Outcome Based Education

Our curriculum is a collaborative effort, between our team of academicians and our Industry Advisory Panel (IAP). We design our curriculum based on the needs of the industry, to ensure Employability Edge among our students, while maintaining our standards, by ensuring our programmes are full-accreditation compliant.

Our programme delivery is based on Outcome Based Education (OBE), in which high graduate employability is our end result.



Value-added Skills Training

Apart from technical knowledge in the Engineering field, we highly believe that students should also possess life skills such as critical thinking, communication and professionalism. Our Problem Based Learning (PBL) leads to producing critical and innovative graduates, in which multiple wins in various industry-standard-competitions are our best testaments of success.

Student Experiences

Our academicians believe that learning should not be confined within classrooms and lecture halls. As early as the first year of their study, students possess the opportunities to gain hands-on exposure to the industry, to experience life as a professional engineer, as well as to build connections with professional engineers through regular industrial visits to manufacturing plants, factories, sites and offices of our industry partners, such as MEASAT, Top Glove, ABB and more.

The IEM-APU Student Section (IASS) is a committee for the students by the students. Since its establishment in 2015, IASS never failed to organise monthly technical events in collaboration with IEM, to boost students' managerial skills, innovation and presentation skills while learning to manage and organise professional-standard events from A to Z.



NICHOLAS TAN OOI KIAT (Malaysia)

B.Eng (Hons) in Mechatronic Engineering, Class of 2016
Assistant Manager, Engineering - Top Glove Corp Bhd, Malaysia

"I landed my first job at my still present employer pretty much immediately after completing my studies at APU. In a time when it is common to hear "you will only ever use 10% of your degree knowledge", I was pleasantly surprised to experience the exact opposite; every skill, every lesson, and every module covered in my Mechatronics programme came into use in my career. Years after graduation, I still find myself going back to the basics regularly, referencing knowledge from all four years of the course. What's more, thanks to the voluminous practical knowledge gained from carrying out numerous coursework and lab assignments under expert lecturers, I was much better equipped than many of my industry peers to execute engineering & technology research projects, and most importantly, seeing them through to completion. Now in a leadership position myself, come recruiting time, I always put APU grads at the top of the list. Even my colleagues want to tap into the supply as well!"

ALEX LOOI TINK HUEY (Malaysia)

B.Eng (Hons) in Electrical & Electronic Engineering, Class of 2015
Head of Projects, Registered Electrical Energy Manager (EC), Assoc. ASEAN Engineer - MALIM Consulting Engineers Sdn Bhd

"The Engineering and Computing programme at APU has been an amazing learning experience of having great intellectual capital and a nurturing environment for students. What sets APU apart from others is that students are dressed in full professional attire during school session which I believe transforms students positively (including myself) and take pride as a young professional, ready to engage with the rest of the world. APU brings out the best in students in providing a conducive and nurturing environment to excel in their respective fields and passions."

WHAT DO OUR ALUMNI SAY...

SABRINA, FONG KAH YAN (Malaysia)

B.Eng (Hons) in Mechatronic Engineering, Class of 2013

Process Engineer - NXP Semiconductor (formerly known as Freescale Semiconductor)

"Receiving my degree from APU gave me the skills and knowledge needed in my engineering career. But untimely, APU and its faculty members prepared me for the professional working environment and instill independence and importance of continuous learning that made me a successful engineer I am today."

LEKHRAJ BHUGOWANDEEN (Mauritius)

B.Eng (Hons) in Telecommunication Engineering, Class of 2016

Trainee Engineer - Mauritius Telecom

"The program is fashioned in a way to introduce students to the different concepts of engineering in the first year. The way the advanced modules are structured has broadened my knowledge and thinking skills with regards to the telecommunication industry. The program gives you the opportunity to work with students from other fields on assignments and projects. Above all, you are taught about the code of ethics for engineers and how to handle engineering projects. These points are the reason I'm excelling as an engineer."

ELAHEH SHAKERI (Iran)

B.Eng (Hons) in Mechatronic Engineering, Class of 2016

Project Engineer - Coesia Group, Italy

"Today I'm proud to be considered as the best of the best engineering graduates in the globally leading supplier of high-tech machinery. APU was where I created my future in."

VIMALALAN NAIR A/L CHANDRASHAKARAN (Malaysia)

B.Eng (Hons) in Telecommunication Engineering, Class of 2014

RF Optimization Engineer - Huawei Technologies (M) Sdn. Bhd.

"Graduating from APU not only gave me advanced theoretical knowledge in the field of telecommunication engineering, but, through the various project-based assignments, also allowed me to develop practical skills such as teamwork, problem-solving and effective communication. As an RF Engineer, I utilize these skills every day to work both autonomously and cooperatively."

ANDREW TEH BOON KHENG (Malaysia)

B. Eng (Hons) in Mechatronic Engineering, Class of 2015

Technical Support Engineer - Keyence Corporation

"APU provided me a fabulous platform to equip myself to enter the industrial world, from organizing various engineering events to managing a team. Studying at Asia Pacific University has given me a lot of memorable and happy moments. It provided many opportunities for students to learn and explore."

In the university's engineering community, IEM-APU Student Section, I was one of the committee representatives to assist in different events such as seminar coordination, industrial visit arrangements and technical workshops to skill up other students and so on. It was such an honour to be enrolled in Asia Pacific University and be involved in this student section, as I could develop my management skills. The student section established a bridge between our internal communities and other universities to reinforce students' experiences during their university life.

These experiences made my student life eventful and valuable during my study at Asia Pacific University."



World-class R&D and Innovation

ACADEMIC RESEARCH

For our staff, learning is a continuous journey where we keep abreast with the latest knowledge in a variety of fields. Our academic staff publish papers and present them at conferences worldwide. Some of the areas of research include:

- Regenerative Power
- Renewable/Green Energy
- Sustainable Development
- Rapid Prototyping
- Material Science
- Modeling of Quantum Dot Systems
- Silicon-based Microdosimeter Applications
- Humanoid Robot development
- Active RFID System in Multi-Hop Wireless Sensor Network
- Automatic Object Retrieval Systems Based on Speech Dictation Technology
- Robotics Haptic and Tactile Sensor development
- Robotics Vision development
- Biomedical Robotics
- Seismic Imaging
- Reservoir Engineering
- Noise Filtration
- Sub-Sea Cable Trenching
- Signal Processing
- Nanoelectronics
- Microelectronics
- Wireless self-charging drone for stock updates
- LoRa monitoring module
- Universal sensor module with IoT
- Smart Lab with voice activation
- Smart Utility for Smart City

INNOVATIVE INDUSTRY-BASED RESEARCH CENTRES @ APU

Asia Pacific Centre of Robotics Engineering

The APCORE (Asia Pacific Center of Robotics Engineering) is an initiative by APU School of Engineering to develop the robotic engineering field within the school. The center undertakes research in various areas of robotics especially humanoid robot development, robotic sensors, robotic vision and biomedical robotics. This will involve lectures by industrial experts and in-house research activities in these areas. The center is also a meeting point for students and lecturers to share ideas and assess their work, as well as a platform for collaboration with industry to keep the research and technology used to be relevant and current. APCORE aims to help lecturers and students to gain knowledge with get hands on experience through involvement in continuous development of robotics technology. Some of projects conducted by APCORE include the development of tele-presence and humanoid robot, participations in international exhibitions and competitions.



Asia Pacific Centre of Analytics (APCA)

Asia Pacific Centre of Analytics – APCA is established in association of multi-discipline expertise from various schools in APU. The vision of APCA is to establish the foundation to develop young data scientists to meet the demands in Malaysia and global. The expertise and experience cover areas of Data Management, Machine Learning, Behavioral Studies, Business Cases, Statistics and Engineering. The formation directs to broad activities in Big Data ecosystem, in line with National vision to make Big Data Analytics the catalyst for nation's economic development: Creating new area in BDA studies, Embedding BDA topics into Undergraduate and Postgraduate studies, Development of Educational and Industrial Framework, Creating Project Marketplace, Research project commercialisation and crowdfunding, Consultancy and Training Services.



Centre for Research and Development of IoT (CREDIT)

The establishment of Centre for Research and Development of IoT (CREDIT) is a significant milestone that supports the objectives of the Malaysia National IoT Strategic Roadmap initiative. CREDIT aims to provide students and academic staff the opportunities to access IoT-related knowledge and know-how through various activities. It also acts as a hub to support commercialising potential state-of-the-art solutions resulting from R&D projects. Additionally it allows students to be engaged in a current key requirement sector which will increase employability rates.



APU IEEE Student Branch

APU IEEE Student Branch, which is part of the Malaysia Section under Region 10 (Asia and Pacific), was formulated in 2014. As a member of IEEE, APU students have a wide variety of resources and valuable opportunities to advance their knowledge and future career. APU Student Branch provides numerous educational, technical, and professional development for its members through special projects, activities, meetings, tours and field trips. Following three student technical chapters namely Computer Society, Communication Society and Computational Intelligence are also established under the Student Branch which offer the opportunity for APU student members to network with peers, develop activities for professional development, and share expertise through technical exchange.



APU Motorsports Club

The Club focuses on performance and eco-friendly competitions. The academic staff and students work on constructing efficient cars based on materials study, structural engineering, engine optimum performance and control mechanisms for local races such as EIMA, GT 128, IPMA and Formula Y.



APU 5G Research Lab

The APU-5G research lab was established to serve as a platform for members from academia, business and industry to collaborate on 5G research to create market ready, innovative 5G technology solutions, applications and business ventures. The APU-5G research lab facilitates research at circuit, system and network level in 5G technologies and also is focused to the pathway for 6G technology to develop a powerful, faster, greener, sustainable network which will be smarter with infusion of AI, ML and Reinforcement learning.



The research lab aims at exploring the cutting edge technologies such as SDN, NFV, mm/THz Wave Band, Radio Access, Massive MIMO, D2D Communication, Ultra Densification, IoT, Big Data, Mobile Computing and fusion of AI and ML for development of 5G core and Radio Access Network Infrastructure. The developed 5G Network Infrastructure will be a platform to develop and test a range of use cases of primary, secondary and tertiary industries and business that are built on communication infrastructure. The 5G lab in association with the other research centers of APU will facilitate research in 5G network security, Network Data Collection and Analysis for Smarter 5G/6GNetwork and Highspeed Sensor Networks for Autonomous Industry.

PREPARING STUDENTS FOR THE INDUSTRY

Internships & Industrial Training

FYPBaNK - An online facility to support students' development of their final year project to meeting industry standards, to enhance employability and to assist student in ensuring projects are fit for purpose at the final year of study.

It is a facility web-based integrated system that facilitates the project management responsibilities carried out by the APU FYP students, supervisors, second markers, FYP administrators and project managers.

The companies who have and are contributing to FYPBaNK are INFOPRO SDN BHD, Bank Negara Museum and Art Gallery, DLoop Empeiria Sdn Bhd, Everly Group, GCA, Hilti, LOW Health Care Services, MAD Incubator, MIMOS Wireless Innovation Lab, Neruti Technology Sdn Bhd, REDtone, Signal Transmission (M) Sdn Bhd and Top Glove Sdn Bhd. Students are allowed to work on an industrial FYP proposals selected from the FYPBaNK. Our FYP students have successfully completed the industrial projects selected from the FYPBaNK. The end-product of each industrial project is being used by the real users.

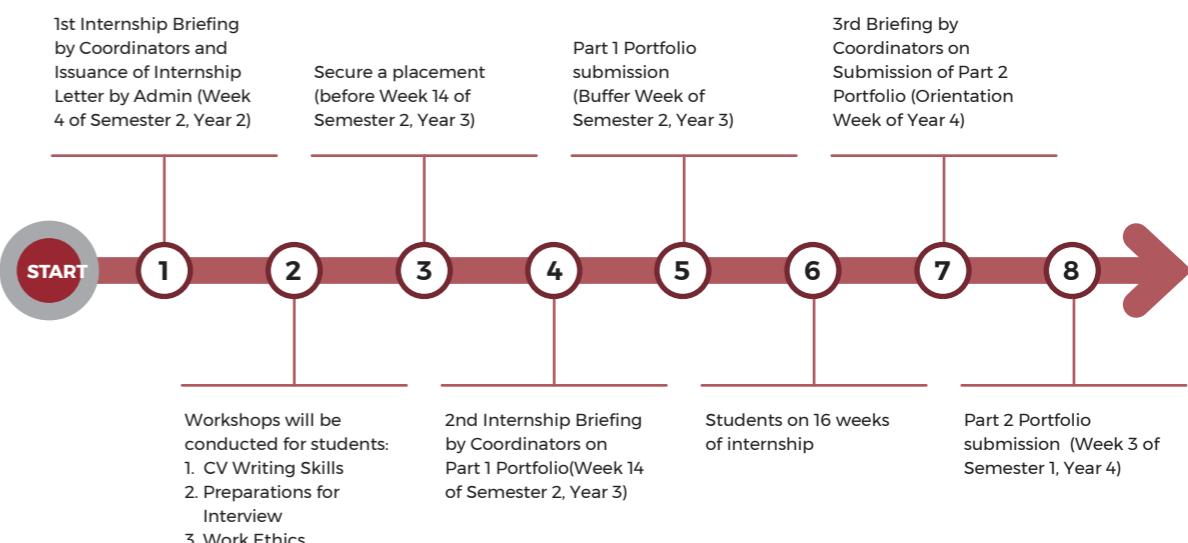
Internships & Industrial Training

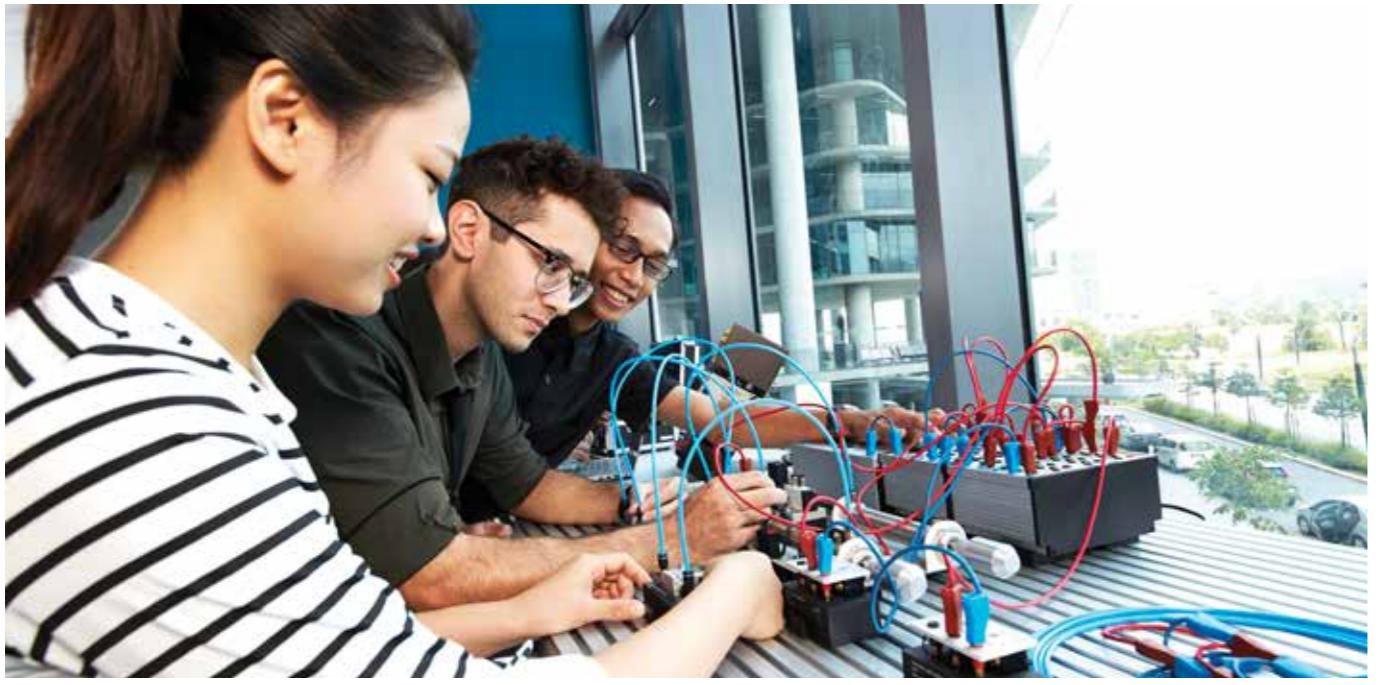
Prior to starting the final year of study APU students will do internship or industrial training placements for 16 weeks. This is to enable students to gain industrial or professional learning experiences to develop transferable skills for employability so as to enhance their future value to employers. Familiarity with all common processes is essential and exposure at a practical level to a wide variety of processes is required at a level appropriate to young professional. Whilst it is clearly desirable for students to get a feel for the skills involved, the central aim is to achieve appreciation. Industrial training is a key component of learning in an integrated academic curriculum.

Taking this exposure as an important element in the curriculum APU ensures the smooth process of facilitation by starting the process a semester by guiding and nurturing the students via workshops and classes dedicated to:

- 1 - Development of a CV
- 2 - Attending Interviews
- 3 - Working professionally and ethically at a organisation

APU also has dedicated Internship Officers per school and a company pool bank in which student can choose from in terms of writing in or direct placements.





State-of-art* Engineering Equipment



It's all going on
@APU Students from over
130 countries ☆



APIIT EDUCATION GROUP AWARDS AND ACHIEVEMENTS



Awards received by the university and our students at local, regional and international competitions are a testimony to their knowledge, skills and professional attributes.

CYBERSECURITY EXCELLENCE AWARDS

- 2021 - Gold Winner (Best CyberSecurity Education Provider in Asia)
- 2020 - Gold Winner (Best CyberSecurity Education Provider in Asia)
- 2019 - Gold Winner (Best CyberSecurity Education Provider)

ASIA PACIFIC ICT AWARDS (APICTA) MALAYSIA (MULTIMEDIA DEVELOPMENT CORPORATION)

- 2020 - Top Award for 'Best of Tertiary Student Project'
- 2019 - Top Award for 'Best of Tertiary Student Project'
- 2016 - Top Award for 'Best of Tertiary Student Project'
- 2013 - Top Award for 'Best of Tertiary Student Project'
- 2012 - Top Award for 'Best of Tertiary Student Project'
- 2011 - Winner of 'Special Jury Award' by the Prime Minister
- 2011 - Top Award for 'Best of Tertiary Student Project'
- 2011 - Top Award for 'Best of Tertiary Student Project'
- 2011 - Top Award for 'Best of Tertiary Student Project'
- 2010 - Top Award for 'Best of Tertiary Student Project'
- 2008 - Top Award for 'Best of e-Inclusion & e-Community'
- 2005 - Top Award for 'Best of Applications & Infrastructure Tools'
- 2004 - Top Award for 'Best of Education & Training'
- 2004 - Top Award for 'Best of Applications & Infrastructure Tools'
- 2004 - Merit Award for 'Best of Research & Development'
- 2003 - Merit Award for 'Best of Research & Development'
- 2002 - Merit Award for 'Best of Smart Learning Applications'
- 2001 - Merit Award for 'Best of Smart Learning Applications'
- 2000 - Merit Award for 'Best of Smart Learning Applications'
- 2000 - Top Award for 'Best of Student Projects'
- 1999 - Merit Award for 'Best of Student Projects'

ATOS GLOBAL IT CHALLENGE

- 2020 - Champion
- 2016 - 1st Runner Up

INTERNATIONAL ICT INNOVATIVE SERVICES AWARDS

- 2020 - Best Innovation Award
- 2019 - Best Innovation Prize

AWS BUILD ON, MALAYSIA

- 2020 - Champion and Best Innovation Award

F-SECURE INTERVARSITY CYBERSECURITY CHALLENGE

- 2020 - Champion
- 2018 - Champion and 2nd Place
- 2017 - Champion
- 2016 - Champion

HILTI GLOBAL IT COMPETITION

- 2020 - Champion and 1st Runner Up

MALAYSIAN ACTUARIAL STUDENTS ASSOCIATION (MASA) HACKATHON

- 2020 - Champion
- 2020 - 1st Runner Up
- 2020 - 2nd Runner Up

ACCA POWER OF ETHICS COMPETITION

- 2020 - Champion of 'Most Creative Promotional Video'
- 2020 - 1st Runner Up of 'Best In-Campus Promotional Campaign'

JAMES DYSON AWARD MALAYSIA

- 2020 - Champion

ALIBABA GET GLOBAL CHALLENGE (MALAYSIA)

- 2020 - People's Choice Award

MALAYSIA RESEARCH ASSESSMENT (MYRA®) RATINGS 2020

- 2020 - Special Award (Best Achievement)

MALAYSIA TECHNOLOGY EXPO (MTE)

- 2020 - 2 Special Awards, 5 Silver, 2 Bronze and 1 Merit Award
- 2018 - Silver

REGIONAL CYBER CHALLENGE (RCC)

- 2019 - Champion
- 2019 - 1st Runner Up

INTERNATIONAL UNIVERSITY CARNIVAL ON E-LEARNING (IUCEL)

- 2019 - 2 Gold and 1 Silver
- 2018 - 2 Gold and 1 Silver

INTERNATIONAL ENERGY INNOVATION COMPETITION (EIC) SINGAPORE

- 2019 - 3 Merit Prize
- 2016 - 4th Place
- 2015 - 1st Runner-up and 4th Place

INTERNATIONAL INNOVATION, CREATIVITY AND TECHNOLOGY EXHIBITION (i2Create)

- 2019 - Gold Medal
- 2019 - Silver Medal

INTERNATIONAL INVENTION, INNOVATION & TECHNOLOGY EXHIBITION (ITEX)

- 2019 - 1 Gold Award for the Invention, Innovation and Technology category
- 2018 - 1 Bronze Award for the Invention, Innovation and Technology category
- 2018 - 1 Silver Award for the Invention, Innovation and Technology category
- 2018 - 1 Silver Award for the Invention, Innovation and Technology category
- 2017 - 1 Silver Award for the Invention, Innovation and Technology category
- 2016 - 1 Gold Award for the Invention, Innovation and Technology category
- 2016 - 1 Silver Award for the Invention, Innovation and Technology category
- 2016 - Best Green Invention Award
- 2015 - 1 Gold Award for the Invention, Innovation and Technology category
- 2015 - 1 Bronze Award for the Invention, Innovation and Technology category
- 2014 - 1 Gold Award for the Invention, Innovation and Technology category
- 2014 - 1 Bronze Award for the Invention, Innovation and Technology category
- 2013 - 2 Silver Medals for the Invention, Innovation and Technology category
- 2013 - 2 Gold medals for the innovator category

3 DAYS OF CODE CHALLENGE

- 2019 - Champion and 1st Runner Up
- 2018 - 2nd Runner Up and Special Prize

CYBER HEROES COMPETITION

- 2019 - Champion and Most Valuable Player (MVP)
- 2017 - 3rd & 4th Place

ERNST & YOUNG (EY) ASIA-PACIFIC CYBER HACKATHON CHALLENGE

- 2019 - Champion

WORLDSKILLS MALAYSIA (CLOUD COMPUTING) LEAGUE

- 2019 - Champion



APIIT Education Group is the proud recipient of Prime Minister's Award and Export Excellence Award (Services) for Industry Excellence Awards - March 2011

The APIIT Education Group received the prestigious Prime Minister's Industry Excellence Award from the Prime Minister of Malaysia. Only one organisation was selected to receive the Prime Minister's Industry Excellence Award from among nearly 30 other award recipients in 8 different categories. The Industry Excellence Awards, organised by the Ministry of International Trade & Industry (MITI), recognises and rewards organisations for organisational excellence including competitiveness, innovativeness, market presence and export performance. Winning the Prime Minister's Industry Excellence Award is a significant milestone and an honour for APU as a leader in higher education. The award truly reflects our commitment and focus on quality, innovation, graduate employability and internationalisation.

INSTITUTE OF ENGINEERS MALAYSIA (IEM) AWARD

- 2019 - Gold Award
- 2018 - Gold Award
- 2017 - Gold Award
- 2016 - Gold Award
- 2015 - Gold Award
- 2014 - Gold Award

GEMILANG BUS DESIGN COMPETITION

- 2019 - 1st Place and 3rd Place

NATIONAL MATHEMATICS COMPETITION

- 2019 - Champion and Consolation Prize
- 2018 - Champion
- 2017 - 2nd Runner Up

KPMG CYBER SECURITY CHALLENGE

- 2019 - 1st Runner Up
- 2018 - Top University Award
- 2018 - Champion ("APT, Malware & Cyber powered by FireEye" track)
- 2018 - Champion ("Engineering & Cyber - powered by IET" track)
- 2018 - 2nd Runner Up (Cyber Security Challenge 2018 - National Finals)

FUSIONEX DATA CHALLENGE

- 2019 - 1st Runner Up

TERADATA UNIVERSE DATA ANALYTICS CHALLENGE

- 2019 - Winner of 'Best People's Choice Award'

OPEN GOV ASIA RECOGNITION FOR EXCELLENCE

- 2019 - Recognition for Excellence

INTERNATIONAL ICT INNOVATIVE SERVICES AWARDS

- 2019 - Best Innovation Prize'

BURSA MALAYSIA NATIONAL INVESTMENT DEBATE CHALLENGE

- 2019 - 2nd Runner Up

ASEAN VIRTUAL BUSINESS PLAN COMPETITION

- 2018 - 1st Place

CIMB 3D CONQUEST

- 2018 - Champion (Data Science)
- 2018 - 2nd Runner Up (Coding)
- 2018 - 4th Runner Up (Coding)

PROTON DRB-HICOM CREATIVE CAR CHALLENGE

- 2018 - Champion
- 2018 - Third Prize (Design Battle)

SINCHEW BUSINESS EXCELLENCE AWARD

- 2018 - Product Excellence Award (Data Science)

SINCHEW EDUCATION AWARD

- 2018 - Outstanding Educational Institution: Private University
- 2018 - Product Award

PRIDE INNOVATION AND TRANSFORMATION CHALLENGE

- 2018 - Champion

NASA SPACE APPS CHALLENGE (KUALA LUMPUR)

- 2018 - Champion and 1st Runner Up

INTERNATIONAL INVENTION & INNOVATIVE COMPETITION (IIIC)

- 2018 - Gold Medal (Science, Engineering & Technology)
- 2018 - Silver Medal (Science, Engineering & Technology)
- 2018 - Bronze Medal (Science, Engineering & Technology)

CREST-INTEL INDUSTRY-UNIVERSITY CHALLENGE

- 2018 - Champion
- 2017 - 1st Runner Up and Consolation Prize

NXDEFENDER CYBER SECURITY COMPETITION

- 2018 - Champion

UNIMAKER CENTRAL REGION COMPETITION

- 2018 - Champion

SAS NATIONAL FINTECH CHALLENGE

- 2018 - 1st Place

DISRUPT-IT CHALLENGE (DIC)

- 2018 - 1st Place

HACKING, DEFENCE AND FORENSICS COMPETITION

- 2018 - Champion

APPRENTICE INNOVATION & RESEARCH EXHIBITION (AIREX)

- 2018 - Champion

HACK@10 CYBERSECURITY COMPETITION

- 2018 - Champion, 2nd Runner Up and 10th Place

INTERNATIONAL FESTIVAL OF INNOVATION ON GREEN TECHNOLOGY (I-FINOG)

- 2018 - Gold and Bronze

INVENTION & INNOVATION COMPETITION FOR PRIVATE INSTITUTIONS OF HIGHER LEARNING (PERINTIS)

- 2018 - 3 Gold, 7 Silver and 1 Bronze
- 2016 - 1 Silver and 3 Bronze

PRIDE INNOVATION & TRANSFORMATION CHALLENGE

- 2018 - Champion and 1st Runner Up

INTERNATIONAL RESEARCH AND INNOVATION SYMPOSIUM AND EXPOSITION

- 2018 - 1 Gold, 1 Silver and 1 Bronze

FAMELAB MALAYSIA

- 2018 - Audience Choice Award

UNIKL BUSINESS SCHOOL MANAGEMENT & ENTREPRENEURSHIP CONFERENCE

- 2018 - Best Research Paper Award (Postgraduate)

RED RIBBON MEDIA AWARDS

- 2018 - Best Poster Design

- 2018 - Best Poster Copywriting