Infrastructure University Kuala Lumpur

IUKL . *Engineering Your Future*

Memories Beyond Education

Be exceptional with us
Together we stand tall before the world
IUKL cares, **IUKL** dares

Undergraduate *Prospectus*

Infrastructure University Kuala Lumpur

IUKL . Engineering Your Future

The IUKL logo bears the image of an open book and a tower building. The dynamic image of the logo signifies the niche of the University: **INFRASTRUCTURE**. The words **'Infrastructure'** and **'University'**, adjacent to the tower building and the open book epitomizes IUKL's motto; **'For Knowledge, For Humanity'**.

The First Infrastructure University in Malaysia

The strength of Infrastructure University Kuala Lumpur today stems from its rich history. For more than 20 years, IUKL has been providing quality education and excellent professional services in various fields of infrastructure.

IUKL being the foremost infrastructure university in Malaysia, aspires to produce technopreneurs and skilled manpower with outstanding communication, technological and managerial skills. The integration of both hard and soft aspects of infrastructure is emphasised in all the programmes that IUKL offers.

Enhanced with up-to-date academic facilities, and tutored by highly qualified lecturers among whom are industry practitioners, IUKL strives to ensure high quality education in the areas of Engineering, Business, Communication, Language Studies, Architecture, Biotechnology, Information Technology and many more.

As a subsidiary of Protasco Berhad, a company listed on the Main Board of Bursa Malaysia, IUKL is committed to engineering the future of tomorrow's leaders. IUKL's dedication in providing quality education has helped many students in acquiring the necessary knowledge, skills, and hands-on expertise to become respected practitioners in various fields.

Guided by the University's motto "For Knowledge, For Humanity", IUKL strives to ensure that each student is fully equipped and empowered to meet the demanding industrial requirements by preparing them holistically today.

The education that IUKL provides is well-balanced – students will find their minds challenged, their practical skills honed and their social interaction skills enhanced. They will be imbued with high moral values to help materialise Vision 2020 and the K-economy.

Contents

Motto
Vision, Mission
The First Infrastructure University in Malaysia
Why IUKL? 3
Infrastructure: Interactive Spaces 4
Intakes 4
Medium of Instruction 4
English Language Requirements for International Students 4
Faculty Members 4
Scholarship and Financial Assistance: Lending a helping hand to realise great ambitions 5
Industrial Placement: Get a Head Start in Your Career 6
Explore & Experience Campus Life 6
Pathways 6
Achievements and Awards 7

- Faculty of Engineering, Science & Technology (FEST) 8 - 18
  - *Civil Engineering*
  - *Mechanical Engineering*
  - *Chemical Engineering*
  - *Automotive*
  - *Electro-mechanical*
  - *Construction Management*
  - *Geomatic Engineering*
  - *Electrical & Electronics Engineering*
  - *Software Engineering*
  - *Computer Science*
  - *Information Technology*
  - *Network Technology*
  - *Biotechnology*
  - *Agricultural Science*
- Faculty of Architecture and Built Environment (FABE) 19 - 22
  - *Architecture*
  - *Landscape Architecture*
  - *Quantity Surveying*
  - *Real Estate Management*
  - *Built Environment*
- Faculty of Business, Information & Human Sciences (FBIHS) 23 - 32
  - *Accountancy*
  - *Business Administration*
  - *E-Commerce*
  - *Sports Management*
  - *Logistics and Supply Chain Management*
  - *Economics and Finance*
  - *Information Systems*
  - *Multimedia*
  - *Visual and Interactive Media*
  - *Corporate Communication*
  - *Integrated Marketing Communication*
  - *English for Professional Communication*
  - *TESOL*
  - *IEP*
- Centre for Foundation and General Studies 33 - 34
  - *Foundation Studies*

Worldwide Affiliations 36
Welcome to Malaysia! Selamat Datang Ke Malaysia! 37 - 38

Why IUKL?

1 **Quality Education**

2 **On Campus Accommodation within the 100 Acres Education Township**

3 **Worldwide Affiliations With Top-ranking Universities**

4 **Affordable Fees**

5 **Professional Recognition**

- Board of Engineers, Malaysia (BEM)
- Washington Accord
- Board of Architects, Malaysia (LAM)
- Board of Quantity Surveyors Malaysia
- Land Surveyors Board
- Sabah Surveyors Board
- Royal Institution of Surveyors Malaysia (RISM)
- Association of Chartered Certified Accountants (ACCA)
- Chartered Institute of Management Accountants (CIMA)
- Malaysian Institute Of Certified Public Accountants (MICPA)
- The Malaysian Institute of Chartered Secretaries and Administrators (MAICSA)
- Certified Practicing Accountants (CPA) Australia
- CISCO
- Malaysian Software Testing Board
- Board of Valuers, Appraisers and Estate Agents Malaysia

6 **Experienced and Qualified Faculty Members**

7 **Multinational Campus**

Infrastructure: Interactive Spaces

Our wide range of academic and professional courses are conducted in contemporary studios, laboratories and workshops, equipped with the latest technology and equipment to enhance your learning experience, whether you are studying engineering, computing, architecture, business, language or science.

Learning Facilities

• Advanced Concrete Lab • Aggregate Lab • Architectural Studios • Auditorium • Automotive Engineering Lab / Workshop • Automotive Chassis Dynometer Lab • Biotechnology Lab • CCAD Lab • Chemistry Lab • Communication Lab • Computer Lab • Digital Library • Electronic Lab • Embedded System Lab • Engineering Design Center • Engineering Foundation Lab • Environment Lab • Gallery • Geology Lab • Geomatic Lab / Survey Lab • Geotechnical Lab • Highway Lab • Hydraulics Lab • IT Centre • Lecture Rooms • Library • Material Testing Lab • Mechanical Workshop • Microprocessor Lab • Multimedia Language • Multi-purpose Hall • Network Lab • Plant Nursery • Physics Lab • Power Lab • Project and Postgraduate Lab • Printed Circuit Board Lab (PCB Lab) • Students Centre • Science Laboratories • Pavement Lab • Resource Centre • Robotics Lab • Soil Lab • Structure Lab • Thermodynamics and Fluid Lab • Wireless LAN Lab

Living Facilities

To provide you with a campus life experience, IUKL also provides on-campus accommodation, while you explore its vibrant student community life.

• 24-Hour Security • Cafeteria Serving Local and International Cuisine • Clinic • Condominiums with Swimming Pool • Hostels • Mosque • Shuttle Bus Services • Wi-Fi-enabled Campus • Launderette • ATM Facilities • International Student Airport Pick-up Service • International Student Management Centre • Mini Mart • MyRapid Public Transport (MRT, LRT, Monorail, Buses)

Recreational Facilities

• Basketball Court • Badminton Court • Gymnasium • Futsal Court • Sepak Takraw Court • Soccer Field • Netball Court • Floorball Court • Volley Ball Court • Clubs & Societies

Intakes

There are three intakes per year - **March, June** and **October.** International students are required to submit applications two month before semester begins.

Medium of Instruction

All classes are conducted in **English.**

English Language Requirements for International Students

Entry to all undergraduate programmes offered by IUKL requires a minimum English language competency level as stated below:

Paper	Details	Minimum Requirements
TOEFL	Test of English as a Foreign Language	At least 410 (Paper Based Test-PBT) or 34 (Internet Based Test-IBT)
IELTS	International English Language Testing System	Overall band score of 5.0
IEP	IUKL Intensive English Programme	Level 3
O-Level		Grade C

- *Students are required to sit for the English Placement Test before enrolment if they do not meet the requirements mentioned above.*
- *Students would be required to pursue IUKL's Intensive English Programme (IEP) before proceeding to foundation, diploma, degree or postgraduate programmes.*
- *For programme details, kindly refer to page 27.*

Faculty Members

We have experienced and qualified lecturers, some of whom are industry practitioners who bring the world into the classrooms. With this added advantage, our students have a better understanding of their fields of study and acquire the necessary skills required for the workplace.

Scholarship and Financial Assistance: Lending a helping hand to realise great ambitions

We believe that education should be made available for everyone. Therefore at IUKL, we make your studies more affordable. There are various grants and scholarships available here. This will enable you to concentrate on performing well in your studies.

IUKL Scholarship | **Tuition Fee Waiver** | **Financial Assistance**

IUKL Scholarship

IUKL offers the following scholarships to deserving, high performing Malaysian students:

Award Categories and Eligibility Criteria

	Full Scholarship	Partial Scholarship (50%)
SPM / O-Level	8As and above	5As and above
STPM	CGPA > 3.500	CGPA > 3.000
A-Level	3As	2As
United Examination Certificate (UEC)	5As	3As
SAM / HSC / AUSMAT	TER / UAI 85	TER / UAI 75
CPU	85% (6 best subjects)	75% (6 best subjects)
IUKL Foundation / Diploma OR Equivalent	CGPA ≥ 3.750	CGPA ≥ 3.500

- *The scholarship is awarded for the 1st semester only.*
- *For the 2nd semester onwards, the entitlements are based on the Tuition Fee Waiver Scheme.*

Tuition Fee Waiver

This special scheme is applicable for all Malaysian and International students who are studying at IUKL. Fee waivers are given based on merit. Scholars with the following CGPA will be rewarded according to this scheme:

CGPA	TUITION FEE WAIVED*
GPA & CGPA ≥ 3.750	50%

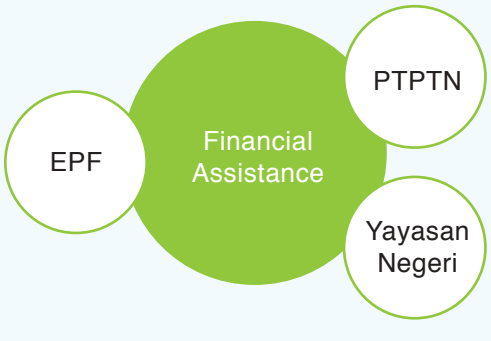
When you score **higher grades,** you are rewarded with **lower tuition fees.**

Please refer to our friendly counsellors for further details.

** Terms & Conditions apply.*

Financial Assistance

Malaysian students who study at IUKL can obtain study loans from various government bodies. Eligible students can apply for Perbadanan Tabung Pendidikan Tinggi Nasional (PTPTN) loans. Other study loans that are available can be sourced from various financial institutions or the student's home state such as Yayasan Negeri loans and other scholarships based on their results.



Industrial Placement: Get a Head Start in Your Career

Industry internship ensures that you get the real feel of the workplace. IUKL works closely with industrial partners to ensure that you get the praxis approach to learning and upon graduation you will be readily employable.

A career placement unit has also been set up to assist graduates in gaining employment upon graduation. IUKL graduates also stand a better chance of gaining employment at our parent company and its subsidiaries, Protasco Berhad, a company listed on the Main Board of Bursa Malaysia.

Explore and Experience Campus Life

Education should be an enjoyable learning experience. With a diverse student population and passionate faculty members, learning is not only fun but a rewarding journey at IUKL.

C Cultural Diversity & Networking

You will be exposed to diverse cultures from around the world. We have students from more than 50 different countries. This will enhance social networking in a wider context.

C Counselling Services

Proffering a ready ear to listen and counsel, our counsellors are ever willing to meet you and provide the support you need.

A Academic Advisory System

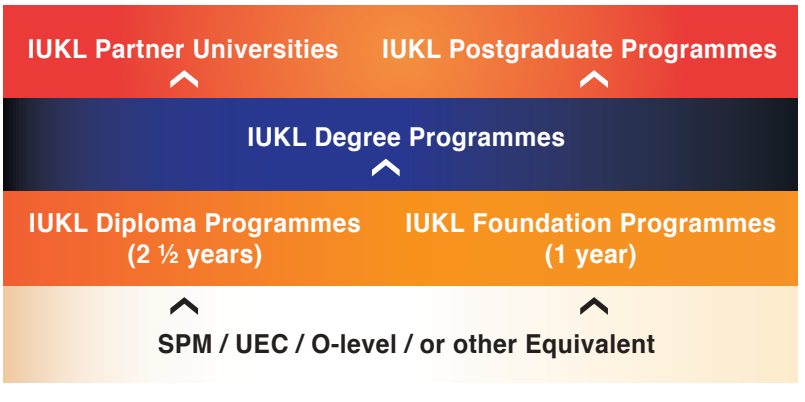
Each student is assigned a lecturer as a mentor. These mentors will monitor and guide you from the beginning of your academic journey to its completion.

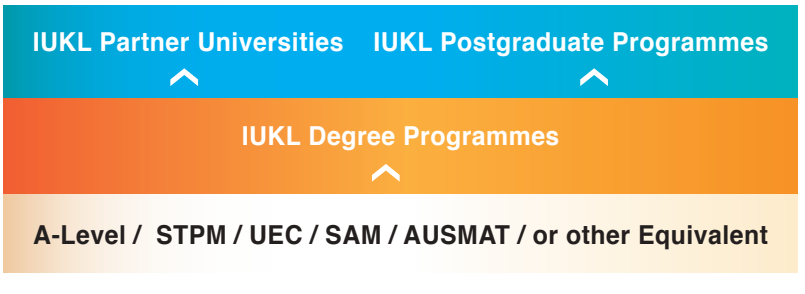
C Clubs & Societies

Our wide range of clubs and societies offers something for everyone whether you are into arts and culture, sports, music or debating, there is something which will be of interest to you.

Pathways

Be prepared for the world after graduation.





Achievements and Awards

At IUKL, we create an environment of discovery that fosters learning and rewards creativity. Our students and faculty members have participated in various competitions locally and abroad. Many of them won medals and awards for their participation. Through such competitions, our students are given the opportunity to hone their skills and apply their acquired knowledge.

GOLD AWARD
@ River Bank and Slope Innovation Competition 2018

GOLD AWARD @ University Garden Competition at The Royal Floria Putrajaya 2015

PRESIDENT GOLD AWARD
@ The Institution of Engineers Malaysia (IEM) 2018

GOLD & SILVER AWARDS
@ National-Level Best Thesis of Higher Learning Institutions at World Water Day 2018

FIRST RUNNER UP
@ Royal Institution of Surveyors Malaysia (RISM) iDEA Symposium 2019

SECOND RUNNER UP, 16th Shelter International Architectural Design Competition, Tokyo, Japan

FIRST RUNNER UP, MIXED TEAM EVENT @ MASISWA Badminton Championship & President Cup 2019

SPECIAL AWARD: BEST DESIGN
@ Robocon Malaysia 2019

Overview of Faculty

Be the Engineer, Scientist and Technologist of tomorrow

The Faculty of Engineering, Science & Technology (FEST) was among the first faculties established in IUKL. The strong industry linkages and the rich history of the university enabled us to groom future engineers, scientists, and technologist to be successful technopreneurs. The FEST is committed to excellence and continuously striving for improvement that makes it one of the more reputable faculties in Malaysia. Our programmes have been carefully designed to encourage and nurture important aspects such as innovation, independence, critical thinking and working towards producing graduates who are both skilled and respected professionals within their chosen field. The optional courses are carefully chosen to complement the core curriculum and are designed to develop communication skills, stimulate creativity and originality which will help students to embrace global perspectives and cultural diversity. These courses are also designed to enhance the programme of study, and most importantly, to cultivate the intellectual curiosity required to be an active lifelong learner.

Vision

To establish the Faculty of Engineering, Science & Technology (FEST) as a premier infrastructure engineering, science and technology faculty of outstanding academic, and research excellence.

Mission

Deliver the highest quality of engineering, science and technology education that promotes excellence and innovation, ethical practices, responsibility towards society, and encourages entrepreneurship spirit in order to produce professionals with global competitiveness to meet the needs of the society and environment.

Fields of Study

Civil Engineering | Mechanical Engineering | Chemical Engineering | Geomatic Engineering | Automotive | Construction Management | Electro-mechanical

Progression Pathway

- Diploma in Civil Engineering
- Diploma in Mechanical Engineering
- Diploma in Automotive Engineering
- Diploma in Geomatic Engineering
- Foundation in Science: Engineering option

→

- Bachelor of Civil Engineering (Hons)
- Bachelor of Mechanical Engineering (Hons)
- Bachelor of Technology (Hons) in Automotive
- Bachelor of Technology (Hons) in Construction Management
- Bachelor of Technology (Hons) in Electro-mechanical

→

- Master of Civil Engineering (By Research)
- Master of Science in Water Resources

→

- Doctor of Philosophy in Civil Engineering (By Research)

Civil Engineering

Bachelor of Civil Engineering with Honours KP/JPS(R2/526/6/0140)3/26

Duration: 4 years I Credits: 140

This programme provides you with a solid grounding in the design, construction and management of civil engineering works and equips you with the technical knowledge, communication skills and ability to operate as a civil engineer within the construction industry. Graduates will not only be multi-talented but also versatile.

Graduates will be:

- well trained in a specific area in the civil engineering field;
- competent in information and communication technology (ICT);
- equipped with business and entrepreneurship skills in preparation to be a technopreneur;
- adaptable to the global market with mastery of foreign languages such as French, German, Mandarin and Japanese among other languages;
- eloquent speakers;
- versatile in a multi-disciplinary working environment.

All these features are blended to nurture well-balanced individuals while inculcating the social, moral and ethical values in contributing towards nation building.

year 1

Engineering Mathematics I • Principle of Statics and Dynamics • Engineering Survey • Engineering Survey Fieldwork • Engineering Geology • Construction Materials • Engineering Mathematics II • Strength of Materials • Engineering • Drawing and CAD • Fundamental Accounting & Finance • MPU Subjects (U1, U2 & U3)

year 2

Building Services • Structural Analysis I • Fluid Mechanics • Soil Mechanics • Economics for Engineers • Computer Programming • Introduction to Environmental Engineering • Traffic and Transportation Engineering • Engineering Statistics • Concrete, Fluid and Soil Laboratory • Hydrology • Structural Analysis II • Hydraulics • Technical & Professional Communication • MPU Subjects (U4)

year 3

Reinforced Concrete Design I • Geotechnical Engineering • Highway Engineering • Structure, Hydraulic and Traffic • Laboratory • Water and Wastewater Engineering • Construction Technology • Steel Design • Foundation Engineering • Environment, Geotechnical and Highway Laboratory • Timber Design • Structural Analysis III • Product Design & Innovation • **Industrial Training** • Operational Methods

year 4

Thesis I • Thesis II • Reinforced Concrete Design II • Construction Project Management • Infrastructure Design Project • Entrepreneurship for Engineers • Engineers and Society • Estimating and Contract • Capstone Design Project • Technical Elective I • Technical Elective II

Professional Recognition

This programme is accredited by the **Engineering Accreditation Council (EAC)** and recognised by the Malaysian Government. EAC is a body delegated by the **Board of Engineers Malaysia (BEM)** as the only recognised accrediting body for engineering degree programmes offered in Malaysia.

This degree is also internationally recognised under the **Washington Accord,** an international agreement among bodies responsible for accrediting engineering degree programmes. It recognises the substantial equivalency of engineering degree programmes accredited by the responsible bodies in each of the current signatory countries listed below.

List of signatories countries

Australia	Hong Kong China	Korea	Peru	Sri Lanka
Canada	India	Malaysia	Russia	Turkey
China	Ireland	New Zealand	Singapore	United Kingdom
Chinese Taipei	Japan	Pakistan	South Africa	United States

Career Opportunities:

- Civil Engineer
- Consultant Engineer
- Project Manager
- Hydrologist
- Transport and Urban Planner

Civil Engineering

Diploma in Civil Engineering KP/JPS(R2/526/4/0147)4/24

Duration: 2 years 6 months I Credits: 98

The Diploma in Civil Engineering Programme is designed to provide the engineering profession with skilled and competent civil engineering technical assistants. It also paves the way for continuing education for the students. It prepares students with a solid foundation not only in theoretical concepts but also in engineering skills. This programme offers students a wide range of civil engineering courses such as structures, geotechnical engineering, traffic and highway engineering, water and wastewater and construction management.

year 1

Chemistry • Computer Programming • Engineering Drawing • Engineering Mechanics • Geology • Mathematics I • Mathematics II • Physics • Technical English I • Science Laboratory • Technical English II • Surveying • Surveying Lab • MPU Subjects (U1 & U2)

year 2

Construction Materials and Site Practice • Fluid Mechanics • Mathematics III • Soil Mechanics • Steel and Timber Design • Strength of Material • Structural Analysis • Traffic and Highway Engineering • Estimating and Contract • Mechanical and Electrical Systems • Soil and Concrete Lab • Structure and Highway Lab • Strength and Fluid Lab • MPU Subjects (U3 & U4) • **Industrial Training**

year 3

Construction Management • Environmental Engineering • Final Year Project • Geotechnical Engineering • Hydraulics and Hydrology • Reinforced Concrete Design

Career Opportunities:

Graduates from IUKL will be employed as Technical Assistant or Supervisor in a wide variety of professions performing a broad range of technical and managerial tasks such as the following:

- Construction
- Environmental
- Geotechnical
- Structural
- Project Engineering & Management

Mechanical Engineering

Bachelor of Mechanical Engineering with Honours KP/JPS(R/521/6/0032)5/22

Duration: 4 years I Credits: 132

This programme is designed to produce knowledgeable and competent human resource in the Mechanical Engineering field. Its broad-based curriculum in Mechanical Engineering where for the first two years it prepares students with essential theories and practical skills and in the last two years, the students are exposed to various courses, which will prepare them for a future career in mechanical engineering. Graduates of this programme are capable of performing engineering tasks in the manufacturing or production sectors, power generation, oil and gas sectors, transportation (train, nautical, aircraft) and the building construction industry.

year 1

Engineering Drawing I • Engineering Math I • Engineering Workshop • Interactive Skills • Introduction to Engineering Experimentation • Introduction To Mechanical Engineering • Material Science • Office application Technology • Statics • Technical & Professional Communication • MPU Subjects (U1, U2 & U3)

year 2

Dynamics • Electrical Technology (Power & Machines) • Engineering Drawing II (Computer Aided) • Engineering Experimentation I • Engineering Materials • Engineering Math II • Fluid Mechanics I • Introduction to Design • Numerical Methods • Solid Mechanics I • Thermodynamics I • MPU Subjects (U4)

year 3

Component Design • Computer Programming • Control Engineering • Engineering Electronics & Microprocessors • Fluid Mechanics II • Industrial Engineering • Manufacturing Processes • Measurements & Instrumentation • Mechanics Of Machines & Vibration • Solid Mechanics II • Thermodynamics II • Engineering Experimentation II • **Industrial Training**

year 4

Elective I** • Elective II** • Elective III** • Engineering. Management, Safety & Economics • Engineers & Society • Entrepreneurship for Engineers • Finite Elements • System Design • Thesis Project I • Thesis Project II • ***Final Year Elective Subjects to be Offered / Refrigeration & Air-Conditioning / Vibration & Vibration Measurements / Acoustics & Noise - Control & Measurements / Material Processing / Material Selection / Nano-materials / Production Planning & Control / Robotics*

Professional Recognition

BEM and Washington Accord *(refer to Professional Recognition, page 9 for more details)*

Career Opportunities:

- Mechanical Engineer
- Project Manager
- Research and Design Engineer
- Quality Assurance Engineer, etc.

Mechanical Engineering

Diploma in Mechanical Engineering KP/JPS(R2/521/4/0004)2/25

Duration: 2 years 6 months I Credits: 94

The programme is designed to support the growth in demand for human resources in the Mechanical Engineering discipline. This programme provides students with the essential knowledge of Mechanical Engineering such as design studies, system analysis, thermodynamics, principles of fluid mechanics, engineering materials and manufacturing technology. The integrated approach of this programme equips students with a range of skills and knowledge that is valuable for future careers. Graduates of this programme are capable of performing tasks in the manufacturing or production sectors, power generation, oil and gas, transportation (train, nautical, aircraft) maintenance and servicing of air conditioner.

year 1

General Chemistry • Computer Programming • Engineering Drawing • Materials Science and Engineering • Mathematics I • Mathematics II • General Physics • Science Lab • Statics • Technical English I • Technical English II • Engineering Workshop • MPU Subjects (U2 & U3)

year 2

Basic Entrepreneurship • Circuit Theory • Design of Machine Elements I • Dynamics • Fluid Mechanics • Manufacturing Technology • Mathematics III • Strength and Machine Laboratory • Strength of Materials • Thermo Fluid Laboratory • Thermodynamics I • Thermodynamics II • Workshop Tools and Machine • MPU Subjects (U1 & U4)

year 3

Design of Machine Elements II • Final Year Project • Management for Engineers • Mechanics of Machine

Career Opportunities:

- Assistant Engineer
- Supervisor
- Mechanical Technician
- Maintenance Technician

Chemical Engineering **NEW**

Bachelor of Chemical Engineering with Honours KP/JPS (N/524/6/0088)1/27

Duration: 4 years I Credits: 133

Chemical engineering is the branch of engineering that deals with chemical production and the manufacture of products through chemical processes. This includes designing equipment, systems and processes for refining raw materials and for mixing, compounding and processing chemicals to make valuable products.

This programme emphasizes a strong foundation in science,especially chemistry and mathematics. The teaching and learning, supported by extensive laboratory sessions, aims to develop the students' skills.

They have the opportunity to carry out projects either individually or in a team.Various specialized courses are offeredto suit the students' interest.

year 1

Engineering Mathematics I • Physical Chemistry • Organic Chemistry • Engineering Mechanics • Technical & Professional Communication • Engineering Mathematics II • Analytical Chemistry • Thermodynamics • Electrical & Instrumentation Technology • Basic Science and Engineering Lab

year 2

Engineering Statistics • Chemical Engineering Thermodynamic • Material and Energy Balance • Computer Programming • Material Science • Product Design and Innovation • Fluid Mechanics • Heat Transfer • Mass Transfer • Chemical Reaction Engineering I • Unit Operation • Chemical Reaction Engineering Lab • Unit Operation Lab

year 3

Process Simulation and Computer Aided Design • OSH in Chemical Industries • Numerical Methods • Entrepreneurship for Engineers • Engineers and Society • Foreign Language – Japanese/ French/ Mandarin • Process Control and Dynamic • Chemical Reaction Engineering II • Undergraduate Research Project I • Process Engineering Economics • Introduction to Environmental Engineering • **Industrial Training**

year 4

Process and Plant Design I • Undergraduate Research Project II • Separation Process • Process and Plant Design II • Process Engineering Management • Process Control and Instrumentation Lab • Elective I • Elective II • Elective III

Career Opportunities:

- Chemical Engineers
- Process Engineers
- Design Engineers
- Research and Development Engineers
- Energy Engineers

Electro-mechanical **NEW**

Bachelor of Technology (Hons) in Electro-mechanical KP/JPS(N/523/6/0312)8/26

Duration: 3 years 6 months I Credits: 129

Electro-mechanical technology is an important field that has great potential in the industry today. It combines mechanical, electrical, electronics, computer technology and control to deliver a unified system. This area also has become the backbone of industries, especially in the manufacturing industry since microprocessors and microcontrollers are used in industrial control. This programme is designed to produce skilled workforce in this is growing area. It encompasses a robust theoretical and practical training to prepare students to face the world of work. The Methods of teaching and learning employed here in IUKL ensure that the graduates are well trained, capable, efficient and creative.

year 1 — Engineering Science • Technical Analytics • Engineering Drawing 1 • Electrical Circuit • Electrical Circuit Lab • Engineering Workshop • Fundamental of Engineering Mechanics • MPU Subjects (U1) • Digital Electronics • Digital Electronics Lab • Fundamental of Electronics Lab • Computer Programming • Electronics 2 • Electronics 2 Lab • Materials & Processes

year 2 — Introduction to Design • Electronic Computer Aided Design • Programmable Logic Controller (PLC) • Thermofluids • Control System • Control System Lab, Robotic System • Engineering Drawing 2 (CAD) • Automation Technology • Communication Systems • Microcontroller • Hydraulics & Pneumatics • Instrumentation and Measurement • Engineering Software & Application • Technical & Professional Communication

year 3 — Project 1 • Electro-mechanical Technology Design • MPU Subjects (U2, U3, U4) • Electrical Power & Machines • Electrical Power & Machines Lab • Technical Elective 1 • Project 2 • Power Electronics, Manufacturing Processes • Technical Elective II • Technical Elective III • Engineering Management • Safety & Economics

year 4 — **Industrial Training**

Career Opportunities:
- Robotics Engineer
- Automation Engineer
- Control System Design / Troubleshooting Engineer
- Electronics Design Engineer
- Train skilled workers

Automative

Bachelor of Technology (Hons) in Automotive KP/JPS(R2/523/6/0301)1/23

Duration: 3 years I Credits: 120

This programme is designed to produce knowledgeable and competent human resource in the automotive sector that who are capable of using Engineering and technical skills to support Engineers and other professionals engaged in developing, manufacturing and operational testing, inspection and maintenance of automotive systems. Students are exposed to relevant knowledge, technical and practical skills for diagnosing, repairing and analysing automotive systems and technology. Competent leadership qualities and professionalism is emphasised. Students are encouraged to have a lifelong learning attitude to keep abreast of the latest automotive technological changes.

year 1 — Technical & Professional Communication • Engineering Drawing I • Engineering Math I • Introduction To Automotive Technology • Fundamental of Electrical & Electronics • Fundamental of Internal Combustion Engine • Materials & Processes • Thermofluid • Engineering Workshop • Engineering Lab • Fundamental of Engineering Mechanics • MPU Subjects (U1, U2, U3 & U4)

year 2 — Transmission Systems I • Chassis Structure & Suspension System • Petrol Engine Fuel System • Braking & Tyre Systems • Automotive Electrical Systems I • Entrepreneurship for Engineers • Heating & AC Systems • Ignition System • Diesel Engine Fuel Systems • Internal Combustion Engine I • Automotive Comfort & Safety System • Steering & Wheel Alignment • Body Work & Repair • Automotive Workshop Technology • Engineering Drawing II • Industrial Product Design & Innovation

year 3 — Project I • Transmission System II • Internal Combustion Engine II • Automotive Electrical Systems II • Vehicle Dynamics • Heavy Vehicles • Project II • Vehicle Maintenance • Advanced Engine Technology • Engineering Management, Safety & Economics • Vehicle Performance & Diagnosis • Advanced Fuel System • **Industrial Training**

Career Opportunities:
- Technologist / Executive in automotive industries
- Executive Service Advisor (in automotive service centres)
- Executive Supervisor (in automotive service centres or factories)

Automative Technology

Diploma in Automotive Engineering KP/JPS(R2/525/4/0106)8/23

Duration: 2 years 6 months I Credits: 96

The Diploma in Automotive Engineering is a specialised branch of Mechanical Engineering, covering the areas of automotive engines, transmissions, suspensions, braking systems, electrical and electronics systems, comfort and safety and automotive workshop technology and management. Graduates of this programme are expected to be involved in the automotive maintenance and manufacturing sectors. These sectors involve the design, testing, servicing and manufacturing of a wide range of vehicles such as private or public transportation, and light or heavy vehicles. The market for specialists in the field of Automotive Engineering in Malaysia has grown rapidly due to expansion in the automotive sector led by Proton, Perodua, DRB Hicom and foreign automobile companies operating in Malaysia. Many automotive component companies are being established to support these manufacturing plants to provide their supply chain. The high performance vehicle sector has also found its way in Malaysia with the involvement of Petronas and Proton Lotus which requires specialists in the automotive engineering sector.

year 1

Automotive Engine I • Automotive Workshop Technology • General Chemistry • Circuit Theory • Engineering Drawing • Hydraulic & Pneumatics • Mathematics I • Mathematics II • General Physics • Science Laboratory • Statics • Technical English I • Co-Curriculum I • MPU Subjects (U2, U3 & U4)

year 2

Automotive Braking System • Automotive Electrical and Electronics I • Automotive Electrical and Electronics II • Automotive Engine II • Automotive Fuel System Dynamics • Automotive Ignition System • Automotive Transmission System • Mathematics III • Strength and Machine Laboratory • Strength of Materials • Thermofluid • Thermofluid Laboratory • MPU Subjects (U1)

year 3

Automotive Comfort and Safety System • Final Year Project • Suspension and Steering System • Workshop Management and Administration

Career Opportunities:

- Assistant Engineer
- Supervisor
- Automotive Technician
- Automotive Service Advisor

Construction Management

Bachelor of Technology (Hons) in Construction Management

KP/JPS(R/582/6/0034)5/25

Duration: 3 years I Credits: 120

Construction management is the science and art of procuring and directing human and physical resources for the successful and prudent realisation of a construction project, ensuring that the enterprise meets the desires of the client, the requirements of the budget, and the quality of the specification. Construction managers co-ordinate the construction of a variety of building projects. They are involved in all stages of the construction and are responsible for the people and materials needed for the project. Our close links with the construction industry ensure that what you learned is relevant to your future career.

year 1

Building Services I • Construction Technology I • Engineering Graphics • Environmental Engineering I • Introduction to Structure • Materials I • Materials II • Statics and Strength of Material • Surveying and Fieldwork • MPU Subjects (U1, U2, U3 & U4)

year 2

Building Services II • Construction Technology II & III • Construction Cost Estimates • Construction Safety and Health • Environmental Engineering II • Green Technology and Sustainable Development • Measurement and Documentation I & II • Research Methodology

year 3

Construction Technology IV • Construction Economics and Finance • Construction Law • Construction Management I & II • Elective I & II • Integrated Project • Thesis I & II • **Industrial Training**

Career Opportunities:

- Technical Executive
- Project Executive
- Technologist
- Cost Consultant
- Site Manager
- Construction Manager

Geomatic Engineering

Diploma in Geomatic Engineering KP/JPS(R2/581/4/0060)2/25

Duration: 3 years I Credits: 95

Geomatic Engineering is a new term that is used to describe land surveying. Geomatic Engineering covers the application of new technologies such as the Global Positioning System (GPS), Geographical Information System (GIS), Remote Sensing and Photogrammetric to collect, process, display, analyse and manage spatial information. The spatial information can be maps or plans (obtained from field surveying), coordinates, and natural or manmade features such as trees, drains, buildings, rivers, slopes, utilities, etc. Geomatic Engineering is widely applied in industries such as construction, oil and gas, plantation, mining, remote sensing, GIS companies, offshore surveying, licensed land surveyor firms, land offices, survey departments, surveying software vendors, surveying instrument vendors and many others.

year 1

Astronomy • Cadastral Survey I • Computation I • Engineering Survey I • Mathematics I • Physics • Plan Drawing • Technical English I • Technical English II • Mathematics II • MPU Subjects (U1 & U2)

year 2

Automation in Surveying • Cadastral Survey II • Cartography • Computation II • Computer Programming • Engineering Survey II • Geodesy I • Land Law and Regulations I • Least Squares Estimation • Land Law and Regulations II • Survey Camp • MPU Subjects (U3 & U4)

year 3

Remote Sensing • Geodesy II • Geographical Information System • Hydrography • Global Positioning System • Digital Photogrammetry • **Industrial Training** / Project

Professional Recognition

This programme is recognised by the Land Surveyors Board Malaysia, Sabah Surveyors Board and Land Surveyors Board Sarawak.

Note: The establishment of Land Surveyors Board is to ensure land survey services provided by licensed land surveyors are conducted in professional and competent manner. This is accomplished through the licensing and monitoring of individuals and firms deemed qualified to practice.

Career Opportunities:

- Construction Companies
- Oil and Gas Industries
- Plantation Companies
- Mining Industries
- Remote Sensing Organization
- GIS Companies
- Offshore Surveying Companies
- Licensed Land Surveyor Firms
- Government Agencies
- Surveying Instrument Vendors
- Surveying Software Vendors

Fields of Study

Electrical & Electronics Engineering | Software Engineering | Computer Science | Information Technology | Network Technology

Progression Pathway

- Diploma in Electrical & Electronics Engineering
- Diploma in Software Engineering
- Diploma in Information Technology
- Foundation in Arts

→

- Bachelor of Electronics Engineering (Hons)
- Bachelor of Software Engineering (Hons)
- Bachelor of Computer Science (Hons)
- Bachelor of Information Systems (Hons)
- Bachelor of Information Technology (Hons) in Network Technology

→

- Master in Electronics Engineering (By Research)
- Master of Electronics Engineering (By Mixed Mode)

Electrical & Electronics Engineering

Bachelor of Electronics Engineering with Honours KP/JPS(R2/523/6/0074)2/22

Duration: 4 years I Credits: 134

Electronics Engineering is a rapidly growing field. The programme is enhanced with hands-on experience and industrial placement with established industries. The Electronics Engineering programme is designed to prepare you for a career anywhere in the world. Electronics industry being a labour intensive industry provides many job opportunities for skilled job seekers. Increased production and demand by government and businesses for communication equipment, computers and military electronics along with consumer demand and increased research and development of robots and other types of automation contribute to the growth of employment opportunities in this field.

year 1

Circuit Theory • Circuit Theory Lab • Logic Systems • Logic Systems Lab • Engineering Math 1 • Engineering Electronics 1 • Engineering Electronics 1 Lab • Electrical Power System • Engineering Math 2 • Engineering Drawing I • Engineering Electronics 2 • Engineering Electronics 2 Lab • Hubungan Etnik / Bahasa Melayu Komunikasi 3 • Pengajian Islam 2 / Pendidikan Moral 2 / The Constitution of Malaysia / Nutrition and Public Health • Football 2 / Netball 2 / Badminton 2 / Futsal 2 / Volleyball / Debate / Introduction to Theatre

year 2

Measurement and Instrumentation • Circuit and Signals • Microprocessor System • Microprocessors System Lab • Electromagnetic Field and Waves • Computer Programming For Engineer • Microelectronics • Microelectronics Lab • Control Systems Design • Control Systems Lab • Numerical Methods • Technical and Professional Communication • Semiconductor Devices • Communications Engineering

year 3

Digital Systems • Digital Systems Lab • Fabrication Technology • Computer Networks • Computer Organization & Architecture • Digital Communications • VLSI Design • VLSI Design Lab • Robotic and Automations • Multimedia Technology • Electronics Capstone Design • Practical Training • Bahasa Kebangsaan A / Basic Entrepreneurship / Personal Financial Planning / Office Application / Professional Communication / Small Group Communication

year 4

Thesis 1 • Advanced IC Design • Advanced IC Design Lab • Digital Signal Processing • Thesis 2 • Engineers and Society • Economics for Engineers • Tamadun Islam dan Tamadun Asia / Pengajian Malaysia 3 • Wireless Networks / Telecommunication Networks / Artificial Intelligence / Power Electronics / Material Engineering

Professional Recognition

BEM and Washington Accord *(refer to Professional Recognition, page 9 for more details)*

Career Opportunities:
- Electronics Engineer
- Communication Engineer
- Computer Engineer

Electrical & Electronics Engineering

Diploma in Electrical & Electronics Engineering KP/JPS(R2/523/4/0233)11/24

Duration: 2 years 6 months I Credits: 91

There is a phenomenal need for personnel in Electrical and Electronics Engineering. The core courses of this programme are designed to provide generic skills applicable across most fields of Electrical and Electronics Engineering. Graduates of this programme will be capable of performing various tasks in the electrical and electronics sectors, be familiar with signal processing, basic electromagnetics, electronics and matrix algebra.

year 1

Circuit Theory I • Computer Programming • Engineering Drawing • Mathematics I • Mathematics II • Mathematics III • Physics • Physics Lab • Technical English I • Technical English II • Workshop Technology for Engineers • MPU Subjects (U2 & U3)

year 2

Basic Communication Theory • Circuit Theory II • Circuit Theory Lab • Digital Design • Digital Design Lab • Electrical Measurement and Instrumentation • Electrical Measurement and Instrumentation Laboratory • Electromagnetism • Electronic I • Electronic II • Management for Engineers • Physical Electronics • Power System • Power System Lab • MPU Subjects (U1 & U4)

year 3

Control System • Control System Laboratory • Electronic Laboratory • Final Year Project • Microprocessor • Microprocessor Laboratory • Power Electronics

Career Opportunities:
- Electrical Technician
- Electronics Technician
- Supervisor

Software Engineering

Bachelor of Software Engineering (Hons) KP/JPS(R2/481/6/0448)7/24

Duration: 3 years I Credits: 120

The Bachelor of Software Engineering (Hons) programme at IUKL is designed to prepare students for a successful career in the software industry and the information technology sector by inducting them into the breadth and depth of problem-solving, mathematical foundations of software engineering, programming, software development methodologies, software processes and lifecycles, software quality, testing and technical documentation.

Distinguished by its focus on delivering the essential elements of software engineering, this discipline gives students invaluable experience in teamwork, project management and the utilisation of industry best practice techniques. In the final year of study, students will have the opportunity to hone their skills through industry internship and be involved in a major software related project.

year 1

Programming Fundamentals • Computer Architecture • Database Concepts • Discrete Structure • Fundamentals of Software Engineering • System Analysis & Design • Interactive Skills • Technical & Professional Communication • Software Architecture • Data Communication & Networking • **Free Modules Subjects:** Introduction to Statistics • Introduction to E-Commerce • Business Economics • Organization Management • Basic Marketing • K-Management • Basic Accounting & Finance • Human Communication • Effective Reading Skills • Introduction to Corporate Multimedia • Innovation Management • Creative Writing • Land Economics & Property Market • Foreign Languages • **Field Elective Subjects:** Scaling and Connecting Networks • Mobile Programming • Software Development Tools • Artificial Intelligence • Network and Data Security • Routing and Switching Essentials • Open Source Development • MPU Subjects (U1)

year 2

Ethics And Professional Conducts • Data Structure & Algorithms • Operating System • Requirements Engineering • Human Computer Interaction • Object Oriented Programming • Object Oriented Technique • Software Evolution & Maintenance • Software Project Management • **Free Modules Subjects:** Introduction to Statistics • Introduction to E-Commerce • Business Economics • Organization Management • Basic Marketing • K-Management • Basic Accounting & Finance • Human Communication • • Effective Reading Skills • Introduction to Corporate Multimedia • Innovation Management • Creative Writing • Land Economics & Property Market • Foreign Languages • **Field Elective Subjects:** Scaling and Connecting Networks • Mobile Programming • Software Development Tools • Artificial Intelligence • Network and Data Security • Routing and Switching Essentials • Open Source Development • MPU Subjects (U2)

year 3

Advanced Programming • Software Quality & Measurement • Software Testing & Inspection Method • IT Project I • IT Project II • **Free Modules Subjects:** Introduction to Statistics • Introduction to E-Commerce • Business Economics • Organization Management • Basic Marketing • K-Management • Basic Accounting & Finance • Human Communication • Effective Reading Skills • Introduction to Corporate Multimedia • Innovation Management • Creative Writing • Land Economics & Property Market • Foreign Languages • **Field Elective Subjects:** Scaling and Connecting Networks • Mobile Programming • Software Development Tools • Artificial Intelligence • Network and Data Security • Routing and Switching Essentials • Open Source Development • **Industrial Training / Apprenticeship** • MPU Subjects (U3 & U4)

Career Opportunities:

- Software Engineer / Requirements Engineer
- Software Tester / Software Quality Executive
- Software Developer / System Analyst

Software Engineering

Diploma in Software Engineering KP/JPS(R2/481/4/0809)1/24

Duration: 2 years 6 months I Credits: 94

Students pursuing a Diploma in Software Engineering at IUKL will learn the skills needed to design software that is user-friendly, affordable, and easy to maintain. Students will get a good foundation in computer programming and system design as part of their studies. The principles of software development, testing, and maintenance are also included in the programme. This programme is a good choice for those who have an affinity for the technical aspects of computer systems, along with an appreciation of how humans interact with them. Students will also develop problem-solving and communication abilities throughout the coursework.

year 1

Academic English • Communication Skills In English I • Computer Ethics • Computing Fundamentals and Applications • Database Administration • Discrete Mathematics • Introduction to Programming • Introduction to Software Engineering • Human Computer Interaction • Systems Analysis and Design • **Major Elective Subjects:** IT Environment and Skills Sharing • Programming in VB.Net • Data Communication and Networking • MPU Subjects (U1, U2 & U3)

year 2

Communication Skills in English II • Computer Architecture • Requirement Engineering • Data Structure and Algorithms • Software Project Management • Mobile System & Software Development • Operating System • Programming in Java • Software Testing and Implementation Methods • IT Project • Software Quality Management • **Major Elective Subjects:** IT Environment and Skills Sharing • Programming in VB.Net • Data Communication and Networking • **Free Elective Subjects:** E-Commerce • Multimedia and Web Development • Internet Programming • Accounting Methods • Introduction to Economics • Mathematic Analysis • MPU Subjects (U4)

year 3

Industrial Training

Career Opportunities:

- Software Programmer / Web Developer
- Software Technical Support Officer
- IT Assistant Executive
- Software Sales Representative

Computer Science

Bachelor of Computer Science (Hons) KP/JPS(R2/481/6/0807)8/23

Duration: 3 years I Credits: 120

This programme provides students with a broad and fundamental understanding of computer science, programming and software engineering. This programme is developed in consultation with industry input to prepare students for one of the fastest growing professions today. The Bachelor of Computer Science (Hons) is a three-year programme. It equips graduates with skills to be technically competent in the analysis, development and implementation of computer systems. Courses are delivered in a small-class environment through lectures, labs, tutorials and individual consultation. Case-study analysis and problem-solving approaches are adopted to enhance student learning.

year 1

Programming Fundamentals • Computer Architecture • Database Concepts • Discrete Structure • Fundamentals of Software Engineering • System Analysis & Design • Interactive Skills • Technical & Professional Communication • Data Communication & Networking • **Free Modules Subjects:** Introduction to Statistics • Introduction to E-Commerce • Business Economics • Organization Management • Basic Marketing • K-Management • Basic Accounting & Finance • Human Communication • Scaling and Connecting Networks • Effective Reading Skills • Introduction to Corporate Multimedia • Innovation Management • Creative Writing • Land Economics & Property Market • Foreign Languages • **Field Elective Subjects:** • Distributed & Parallel Computing • Broadband Network • Mobile Programming • Open Source Development • Multimedia Networking • Network and Data Security • Routing and Switching Essentials • Fundamentals of Multimedia • MPU Subjects (U1)

year 2

Management Information System • Data Structure & Algorithms • Object Oriented Programming • Operating System • Object Oriented Technique • Ethics And Professional Conducts • Artificial Intelligence • Human-Computer Interaction • Software Project Management • **Field Elective Subjects:** Distributed & Parallel Computing • Broadband Network • Mobile Programming • Open Source Development • Multimedia Networking • Network and Data Security • Routing and Switching Essentials • Fundamentals of Multimedia • **Free Modules Subjects:** Introduction to Statistics • Introduction to E-Commerce • Business Economics • Organization Management • Basic Marketing • K-Management • Basic Accounting & Finance • Human Communication • Scaling and Connecting Networks • Effective Reading Skills • Introduction to Corporate Multimedia • Innovation Management • Creative Writing • Land Economics & Property Market • Foreign Languages • MPU Subjects (U2 & U3)

year 3

Advanced Programming • Computer Graphics • Internet Programming • IT Project I • IT Project II • **Field Elective Subjects:** Distributed & Parallel Computing • Broadband Network • Mobile Programming • Open Source Development • Multimedia Networking • Network and Data Security • Routing and Switching Essentials • Fundamentals of Multimedia • **Free Modules Subjects:** Introduction to Statistics • Introduction to E-Commerce • Business Economics • Organization Management • Basic Marketing • K-Management • Basic Accounting & Finance • Human Communication • Scaling and Connecting Networks • Effective Reading Skills • Introduction to Corporate Multimedia • Innovation Management • Creative Writing • Land Economics & Property Market • Foreign Languages • **Industrial Training / Apprenticeship** • MPU Subjects (U4)

Career Opportunities:
- System Analyst / System Designer / System Developer
- Web / System Administrator
- Database Administrator

Information Technology

Diploma in Information Technology KP/JPS(R2/481/4/0811)4/24

Duration: 2 years 6 months I Credits: 92

The Diploma in Information Technology provides the theoretical bases of programming, computer science, networking, software project management and databases. The course also emphasises the development of key employability skills such as communication, collaboration, problem solving, and self-direction, through its learning model, and hands-on experience. The course is delivered in a small-class environment through lectures, labs, tutorials and individual consultation. Case-study analysis and problem-solving approaches are adopted to enhance student learning.

year 1

Academic English • Communication Skills In English I • Computing Fundamentals and Applications • Database Administration • Discrete Mathematics • Introduction to Programming • System Analysis and Design • Data Communication and Networking • Multimedia Technology • Human Computer Interaction • **Major Elective Subjects:** IT Environment and Skills Sharing • Computer Ethics • **Free Elective Subjects:** E-Commerce • Multimedia and Web Development • Accounting Methods • Introduction to Economics • Mathematic Analysis • MPU Subjects (U1)

year 2

Communication Skills In English II • Computer Architecture • Software Project Management • Programming in VB.Net • Programming in Java • E-Commerce • Operating System • Internet Programming • IT Project • **Major Elective Subjects:** IT Environment and Skills Sharing • Computer Ethics • MPU Subjects (U2, U3 & U4)

year 3

Industrial Training

Career Opportunities:
- Software / Web Programmer
- IT Assistant Executive
- IT Technician

Network Technology

Bachelor of Information Technology (Hons) in Network Technology

KP/JPS(R2/481/6/0021)3/24

Duration: 3 years I Credits: 120

Nearly every business depends on the smooth running of its communication networks. There is a need for professionals who know how to design, implement, secure and manage communication networks. Earn your bachelor's degree in Network Technology at IUKL, and you'll be skilled in operating applications in a broad area of usage, interfacing between public and private networks, and constructing security resolutions for LANs. The programme also provides a CISCO Certification path for students to be more equipped for the next generation of skilled technopreneurs.

year 1

Computer Architecture • Programming Fundamentals • Discrete Structure • Interactive Skills • Operating System • Ethics And Professional Conducts • Microprocessor Systems • Data Communication and Networking • Database Concepts • Technical & Professional Communication • Free Modules 1 • MPU Subjects (U1)

year 2

Network Analysis and Design • Object Oriented Programming • Broadband Networks • Routing and Switching Essentials • Free Modules 2 • Wireless and Mobile Communication • Network and Data Security • IT Project I • Client Server Computing • Distributed and Parallel Computing • Data Structure and Algorithms • Free Modules 3 • MPU Subjects (U2 & U4)

year 3

IT Project II • Network Management • Network Operating System • Network Programming • **Industrial Training** • Mobile Programming • Multimedia Networking • Scaling and Connecting Network • Free Modules 4 : **Free Modules Subjects = 12 Credits:** • Business Economics • Organization Management • Basic Marketing • K-Management • Basic Accounting & Finance • Software Development Tools • Open Source Development • Introduction to E-Commerce • Artificial Intelligence • Human Computer Interaction • Software Quality and Measurement • Fundamentals of software Engineering • Introduction to Statistics • Human Communication • Effective Reading Skills • Introduction to Corporate Multimedia • Innovation Management • Creative Writing • Land Economics & Property Market • French • Malay • Mandarin • Japanese • MPU Subjects (U3)

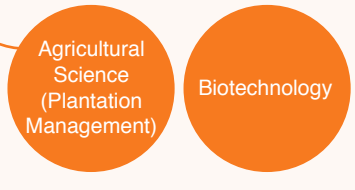
Professional Recognition

This programme is embedded with a Cisco Certified Network Associate, CCNA recognition. The CCNA is recognized in the industry as a technical professional working with traditional Cisco-based networks that predominantly include LAN and WAN routers and LAN switches.

Career Opportunities:

- Network Engineer
- Network Administrator
- Network Support Specialist
- Router Engineer / Technician
- Technical Support Specialist
- WAN Administrator

Fields of Study



Biotechnology

Bachelor of Biotechnology (Hons) KP/JPS(R/545/6/0027)10/23

Duration: 3 years I Credits: 122

This programme is designed to produce knowledgeable and competent human resources who are equipped with advanced knowledge and extensive hands-on experience in the area of biotechnology. Students are exposed with related knowledge, techniques, practical skills and issues pertaining to the advancement and development of biotechnology, locally and globally. This programme also cultivates soft skills and fundamental skills in the areas of management and entrepreneurship that are essential in their future working environments.

year 1

Introduction to Biotechnology • Introduction to Molecular & Cell Biology • Biometrics • Biotechnology Laboratory 1A • Chemistry I • Bioethics • Biotechnology Laboratory 1B • Genes to Genomes • Chemistry II • Microbiology • Interactive Skills • MPU Subjects (U1 & U2)

year 2

Technical & Professional Communication • Innovation in Biotechnology • Introduction to Biochemistry • Biotechnology Laboratory 2A • Bioinstrumentation & Analytical Techniques • Gene Cloning & Engineering • Basic Entrepreneurship • Biotechnology Laboratory 2B • Cell & Tissue Culture • Industrial & Fermentation Technology • Practical Bioinformatics, Genomics & Proteomics • Scientific and Research Methodology • MPU Subjects (U3)

year 3

Agricultural & Food Biotechnology • Biotechnology Laboratory 3 • Research Project A • Aquaculture Biotechnology • Environmental Biotechnology • Medical Biotechnology • Pharmaceutical Biotechnology • Research Project B • **Industrial Training** • MPU Subjects (U4)

Career Opportunities:

- Research and development
- Sales and marketing
- Production and quality assurance
- Scientist
- Management

Biotechnology

Diploma in Biotechnology KP/JPS(R2/545/4/0047)11/25

Duration: 2 years 6 months I Credits: 92

Diploma in Biotechnology is designed to produce specialised human resource who is equipped with the skills and know-how on new biological processes of commercial importance in a diverse range of industries such as pharmaceutical, agricultural, industrial, forensics and healthcare sectors. Students will be exposed to practical knowledge of the foundation technologies for working with DNA, proteins, cells and molecules. They will also gain knowledge of different areas of biotechnology especially food biotechnology, agro biotechnology and environment biotechnology.

year 1 — Bioinformatics • Cell and Molecular Biology • English for Science and Technology I, II & III • Fundamentals in Microbiology • Fundamentals in Biochemistry • General Genetics • Inorganic Chemistry • Instrumentation in Biotechnology • Microbial Metabolism • Organic Chemistry • Principles in Fermentation Technology • MPU Subjects (U1)

year 2 — Agrobiotechnology • Bioprocess Techniques • Biosafety & Bioethics • Biostatistics • Environmental Biotechnology • Introduction of Cell and Tissue Culture • Introduction to Genomics & Proteomics • Pathogen and Diagnostic Microbiology • Recombinant DNA Technology • Food Biotechnology • **Industrial Training** • MPU Subjects (U2 & U3)

year 3 — Research Methodology • Downstream Processing • Biostatistics • Basic Entrepreneurship • Principles of Management • Mini Project • MPU Subjects (U4)

Career Opportunities:
- Medical Lab Technologist
- Clinical Support Specialist
- Microbiologist, etc.

Plantation Management NEW

Bachelor of Agricultural Science (Plantation Management) (Honours) KP/JPS(N/621/6/0022)9/24

Duration: 3 years I Credits: 123

This programme is designed to produce graduates with agricultural knowledge as well as practical skills in managing plantation crops using sustainable technology. The graduates would be equipped with entrepreneurial, technical, and soft skills to cater for the manpower needs of the agricultural sector.

year 1 — Agricultural Farming • Plant Botany • Principles of Agricultural Marketing • Introduction to Crop Science • Soil Science • **Major Crop:** Oil Palm Plantation Management • Secondary Crop • Weed Science • MPU Subjects (U1)

year 2 — Horticultural Crop Production Technology • Entomology/Plant Pathology* • Soil Conservation and Management • OSHA in Plantation • Biometrics • Farm Management • Farm Machinery Management • Scientific and Research Methodology

year 3 — **Industrial Training** • Research Project A & B • Environmental Biotechnology • Land Survey/Remote Sensing* • Agricultural Biotechnology • Agricultural Post Harvest Technology and Agribusiness • MPU Subjects (U2, U3, U4)

Career Opportunities:
- Assistant Manager/Manager in Plantation sector
- Agronomist
- Agricultural Consultant
- Research Officer

Plantation Management

Diploma in Agricultural Science (Plantation Management)

KP/JPS(R2/620/4/0001)5/25

Duration: 2 years 6 months I Credits: 92

Diploma in Agricultural Science (Plantation Management) is designed to produce specialised human resource that are capable of using technical and practical skills in managing plantation crops using sustainable technology for the plantation industry that is rapidly expanding in South East Asia, Africa and South America. This programme produces graduates who are proactive and disciplined. They would be nurtured to be team players with an entrepreneurial spirit to progress in a competitive society. They would also be well-versed in using ICT and acquire current information on plantation technology. Students are exposed to modern technology in farming, plant protection techniques and weed science to increase yields of plantation crops. Subjects such as Soil Management for Plantation Crops and Introduction to Weed Science increase students' knowledge in managing plantation operations and plantation crops using sustainable technology.

year 1 — General Chemistry • Organic Chemistry • English for Science and Technology I & II • Sustainable Farming • Plant Biology • Introduction to Soil Science • Principles of Crop Science • Oil Palm Plantation Management • Coconut, Coffee and Cocoa Plantation Management • Rubber Plantation Management • Agricultural Marketing • Introduction to Economics • MPU Subjects (U1 & U2)

year 2 — Soil Management for Plantation Crops • Crop Protection • Introduction to Weed Science • Human Resource in Plantation Management • Farm Planning & Management • Mechanization & Automation in Plantation Crop Management • Basic Entrepreneurship • ICT in Farm Management • Environmental Biotechnology • MPU Subjects (U3 & U4)

year 3 — **Industrial Training**

Career Opportunities:
- Agriculturist
- Sales Executives
- Farm Manager
- Jobs in areas of agribusiness, allied agricultural and horticultural industries, etc.

Overview of Faculty

Change the landscape with your Architectural Masterpiece

The Faculty of Architecture and Built Environment aspires to produce graduates in the fields of Architecture and Quantity Surveying. The country requires more graduates who are qualified, creative, innovative, skilful and competent in the development of the nation towards achieving Vision 2020. Faculty of Architecture and Built Environment is committed in producing graduates who are employable and well regarded by the industry; locally and globally. The Faculty produces professionals with various qualifications in Architecture, Quantity Surveying and Real Estate Management.

Vision

To be a World Class Centre of Excellence in Built Environment.

Mission

- To achieve highest excellence in Built Environment involving **IDEA: I**nnovation, **D**esign, **E**nvironment & **A**rchitecture.
- Faculty of Architecture and Built Environment strives for excellence in the built environment by providing quality education, advanced knowledge, state of the art technology and excellent professional services.

Fields of Study

- Architecture
- Landscape Architecture
- Quantity Surveying
- Real Estate Management

Pathway to be a professional Architect

- Diploma in Architecture
- Foundation in Arts

→ Bachelor of Science (Architectural Studies) (equivalent to LAM Part I) → Master of Architecture (equivalent to LAM Part II) → 2 years working experience in an Architecture firm → Professional Examination (Part III) → Professional Architect (Title: Ar)

Bachelor of Science (Architectural Studies) (equivalent to LAM Part I) → Master of Science in Built Environment → Doctor of Philosophy in Built Environment

Progression Pathway for other programmes:

- Diploma in Architecture
- Diploma in Landscape Architecture
- Diploma in Quantity Surveying
- Foundation in Arts

→

- Bachelor of Landscape Architecture
- Bachelor of Real Estate Management (Hons)
- Bachelor of Quantity Surveying (Hons)

→ Master of Science in Built Environment → Doctor of Philosophy in Built Environment

Architecture

Bachelor of Science (Architectural Studies) KP/JPS(R2/581/6/0109)10/23

Duration: 3 years I Credits: 122

Architecture at IUKL is well-recognised for its hands-on approach. Students are exposed to real working environments including exploration of materials and investigation of sites and context. The Bachelor of Science (Architectural Studies) aims to equip students with a solid foundation, relevant key skills and architectural knowledge to meet the requirements of the LAM Part 1 qualification (awarded by the Board of Architect Malaysia). In addition, the programme also exposes students to various fields in architecture available for their next level of studies.

year 1

Theory & Principle of Architecture Design • Studio Design I A • Studio Design I B • Architectural Communications • Introduction to Survey • Building Construction I • Building Structures I • Computer Aided Design • History of Architecture I • Architecture Appreciation I • Interactive Skills • Environmental Science 1 • Building Services 1 • MPU Subjects (U1)

year 2

Studio Design II A • Studio Design II B • Building Construction II • Building Services II • Building Structures II • Computer Animation • Environmental Science II • History of Architecture II • Theory of Architecture • Measured Drawings & Report • Architecture Appreciation II • MPU Subjects (U2, U3 & U4)

year 3

Studio Design III A • Studio Design III B • Building Construction III • Building Structures III • Construction Project Management • Building Study & Report • Organizational Behaviour • **Industrial Training** • Professional Studies • Architecture Appreciation III • Landscape Architecture • Construction Drawing

Professional Recognition

The Bachelor of Science (Architectural Studies) is recognised by the **Board of Architects Malaysia (LAM)** as equivalent to its professional body's Part I qualification. Graduates may opt to pursue IUKL's Bachelor of Architecture (leading to the LAM Part II qualification) or work in the architecture / built environment industry.

Note: The Board of Architects Malaysia or Lembaga Arkitek Malaysia (LAM) is a statutory authority responsible for registration of Professional Architects, Architects and Building Draughtsmen. It conducts examinations for admission to the profession and accredits the relevant architectural programmes.

Career Opportunities:
- Assistant Architect
- Architectural Designer

Architecture

Diploma in Architecture KP/JPS(R2/581/4/0026)8/23

Duration: 2 years 6 months I Credits: 94

The Diploma in Architecture prepares students for a career in the building industry as well as for higher level of studies in the field of Architecture. Students are exposed to basic concepts and theories of architectural design, knowledge of building construction and materials and use of relevant computer softwares which will enable them to contribute effectively to the construction industry.

year 1

Basic Design • Building Construction I • Building Services • Co-curriculum I • Environmental Design • Graphic Communication • Introduction to Built Environment • Introduction to Theory and History of Architecture • Pengajian Islam / Moral (Islamic Studies / Moral Studies) • Pengajian Malaysia (Malaysian Studies) • Sport (Football / Netball / Badminton / Futsal) • Technical Drawing I • Technical Drawing II • Technical English I • Technical English II

year 2

Architectural Design I • Architectural Design II • Architectural Design III • Building Construction II • Building Construction III • CAD I • Construction Drawing • Structure Design

year 3

Architectural Design IV • Asian Architecture • Bahasa Kebangsaan A / B (National Language A / B) • CAD II • History of Southeast • Measured Drawing

Career Opportunities:
- Draught Person
- Building Designer
- Technical Assistant
- Construction Supervisor
- Architectural Designer

Landscape Architecture

Bachelor of Landscape Architecture KP/JPS(R/581/6/0022)1/23

Duration: 3 years I Credits: 125

The Bachelor of Landscape Architecture programme allows students to learn creatively and technically via lectures, workshops, project site visits, lab work, field trips and seminars. Bachelor of Landscape Architecture offers students vast opportunities in designing both man-made and living environments using a variety of elements in design. Landscape Architecture applies appropriate "building blocks" such as hardscape and softscape to create various outdoor or indoor spatial environment to ensure fulfilment of functionality, practicality, balance, aesthetics and consideration of human users' behaviour and needs. Presently, Landscape Architecture's role is becoming increasingly important and is frequently practiced by many design professionals and technical experts in the architecture field and the built environment industry.

year 1

Landscape Design Studio I • Landscape Design Studio II • Landscape Design Studio III • Introduction to Landscape Architecture • Architectural Drawing • Landscape Construction I • Horticulture & Nursery • Plant in the Tropics • Landscape History • History of Architecture • Environmental Science • Environmental Psychology & Social-culture • CAD I • Landscape Graphic & Modeling • Bahasa Kebangsaan A / B • Pengajian Malaysia • Pengajian Moral / Islam

year 2

Landscape Design Studio IV • Landscape Design Studio V • Landscape Construction II • Landscape Construction III • Professional Practice I • Professional Practice II • Landscape Ecology • Planting Design • Cultural Heritage Landscape • Measured Drawings • Sustainable Urban Environments • Community Planning • Verbal Presentation Techniques • Research Method • CAD II • Free Elective I • Interactive Skills

year 3

Landscape Design Studio VI • Topical Studies • Landscape Remediation • Landscape Innovation • Project Documentary & Exhibition • Project Management • Soil Science & Landscape Maintenance • GIS • Free Elective II • Free Elective III • **Industrial Training** • Theories in Sports • Football / Netball / Badminton / Futsal

Career Opportunities:
- Landscape Architect
- Landscape Designer
- Project Manager
- Landscape Maintenance and Care Manager
- Plant Nursery Manager
- Landscape Contractor
- Landscape Consultant

Landscape Architecture

Diploma in Landscape Architecture KP/JPS(R/581/4/0007)7/21

Duration: 2 years 6 months I Credits: 94

The programme provides a strong fundamental in planning, designing, managing and implementing aspects of landscape, both in the man-made and natural outdoor environments. These environments are established through the application of softscape and hardscape elements to create a quality, balanced and conducive environment for the needs of human. The programme integrates subjects that equip students the requisite practical skills, knowledge and creativity so that they are competent in developing a sustainable environment, and possibly transforming a space to a place. Aspect of social, cultural, aesthetics and physical contexts are integrated in the landscape architecture programme. As such, the programme prepares graduates to work and contribute pro-actively within a broad range of professional practice in the building construction realm.

year 1

Landscape Construction I • Basic Landscape Design I • Basic Landscape Design II • Graphic Communication • Introduction to Landscape Architecture •Landscape Construction II • Plant Material I •Technical Drawing I • Technical Drawing II • Technical English I • MPU Subjects (U1, U2 & U3)

year 2

CAD I • Computer Graphic • History of Landscape Architecture • Horticulture and Nursery Management • Landscape Construction III • Landscape Design I • Landscape Design II • Landscape Design III • Oral Presentation • Plant Material II • Technical English II • MPU Subjects (U4)

year 3

CAD II • Landscape Design IV • Topical Study

Career Opportunities:
- Technical Assistant In Landscape Design Consultancy
- Project Site / Landscape Maintenance / Parks and Recreational Supervisor
- Plant Nursery Assistant Manager
- Theme Park / Golf Course Assistant Designer

Quantity Surveying

Bachelor of Quantity Surveying (Hons) KP/JPS(R/526/6/0022)10/22

Duration: 3 years I Credits: 123

Bachelor of Quantity Surveying (Hons) prepares students with all-rounded knowledge in ICT, measurement and managerial skills as well as construction technology and construction contracts. The programme has infrastructure works as a niche area which emphasises sustainability and green construction. This is to ensure that global current and future trends in the quantity surveying profession are taken into account. The aim of this programme is to produce graduates who are industry-ready and possess good understanding of the theoretical and practical aspects of quantity surveying for careers in development, construction, consulting and public agencies. At the end of their studies, students will have achieved the requisite skills in the measurement of building and infrastructure works and be able to collaborate with all industry players on the latest ICT platforms. They will also have the capability to prepare feasibility studies, cost plans and bills of quantities and assist in managing the tender processes effectively. Besides that, they will be able to evaluate risks and perform contract management such as preparation of interim valuations, variations and final accounts and be exposed to alternative disputes resolution, in particular, arbitration and adjudication as covered by Acts of Parliament.

year 1

Principles of Management • Surveying and Fieldwork • Materials I • Construction Technology I • Measurement I • Basic Office Application • Bahasa Kebangsaan A/B • Measurement II • Construction Law I • Building Services I • Construction Technology II • Pengajian Malaysia • Co-Curriculum I • French I / Mandarin I • Basic Entrepreneurship • Pengajian Islam / Pendidikan Moral • Quantitative Methods and Statistics

year 2

Measurement III • Construction Law & Contract II • Construction Technology III • Building Services II • Materials II • Construction Economics & Finance • French II / Mandarin II • Measurement IV • Quantity Surveying Practice I • Construction Technology IV • Tendering & Estimating • Project Management I • Co-Curriculum 2 • Quantity Surveying Practice II • Technical & Professional Communication • Technical Report Writing

year 3

Measurement V • Thesis I • Integrated Project • Project Management II • Elective I • French III / Mandarin III • **Industrial Training** • Thesis II • Elective II
Elective Subject: • Risk Management • Financial Management • Management of Large Construction • Management of Heavy Equipment & Plant

Professional Recognition

This programme is recognised as professional entry qualification by the Board of Quantity Surveyors Malaysia (BQSM), and the Royal Institution of Surveyors Malaysia (RISM). The former a professional regulating body and the latter a professional institution representing the surveying profession, including quantity surveying division in Malaysia.

Career Opportunities:
- Quantity Surveyor
- Contracts Engineer
- Project Manager
- Estimator
- Contractor

Quantity Surveying

Diploma in Quantity Surveying KP/JPS(R2/526/4/0093)5/25

Duration: 2 years 6 months I Credits: 95

Diploma in Quantity Surveying prepares students with a wide range of quantifying and managerial skills, construction technologies and legal aspects of construction contract. The programme is unique in its approach to the measurement of work for building construction and also infrastructure works which are related to civil engineering. The aim of this programme is to produce quantity surveying graduates with a holistic understanding of theoretical and technical aspects of quantity surveying that will prepare them for practising the Quantity Surveying discipline.

year 1

Accounting Method • Bahasa Kebangsaan A / B (National Language A / B) • Co-curriculum I & II • Construction Materials • Construction Technology I • Fundamental Of Programming • Pengajian Islam / Moral (Islamic Studies / Moral Studies) • Pengajian Malaysia (Malaysian Studies) • Professional Practice I • Quantity Surveying I • Surveying • Technical Drawing and CAD • Technical English I & II

year 2

Basic Entrepreneurship • Building Services I & II • Construction Technology II & III • **Industrial Training** • Principle of Economics • Principle of Structures • Professional Practice II • Quantity Surveying II & III • Tendering and Estimating

year 3

Building Construction Economics • Construction Management • Final Year Project • Quantity Surveying IV • Tort and Construction Law

Professional Recognition

This programme is recognised as sub-professional standard in quantity surveying by the Board of Quantity Surveyors Malaysia (BQSM), and the Royal Institution of Surveyors Malaysia (RISM). The former a professional regulating body and the latter a professional institution representing the surveying profession, including quantity surveying division in Malaysia.

Career Opportunities:

- Assistant Quantity Surveyor
- Contract Administrator
- Site Clerk
- Site supervisor

Real Estate Management

Bachelor of Real Estate Management (Hons) KP/JPS(R/345/6/0084)7/21

Duration: 3 years 6 months I Credits: 129

The Bachelor of Real Estate Management (Hons) is designed to produce graduates who are able to demonstrate professional competency as a result of knowledge gained about real estate management such as property valuation, property management, property agency and property investment. The programme equips students with creativity and critical thinking skills to enable them to identify and solve technical problems in real estate management and the real estate industry.

year 1

Applied Valuation • Bahasa Kebangsaan A / B (National Language A / B) • Building Materials & Construction • Free Elective I • Fundamental of Property Law • Interactive Skills • Introduction to Law • Introduction to Property & Valuation • Land Economics & Property Market • Pengajian Islam / Pendidikan Moral (Islamic Studies / Moral Studies) • Pengajian Malaysia (Malaysian Studies) • Principles of Economics • Surveying For Real Estate Management • Computer Aided Design (CAD) • Theories in Sports

year 2

Basic Entrepreneurship • Building Services • Co-curriculum II • Core Elective • Finance and Accounting • Free Elective II • Planning & Urban Control • Property Management • Property Taxation • Real Estate Investment Appraisal • Statutory Valuation • Technical & Professional Communication • Urban Economic & the Property Market

year 3

Advanced Valuation • Basic Office Application • Building Maintenance & Defect Diagnosis • Core Elective • Dissertation I & II • Ethics and Professional Practice • Free Elective III • IT in Real Estate • Land Acquisition and Compensation • Marketing for Real Estate Business • Property Development & Sustainability • Real Estate Agency Practice • Plant and Machinery Valuation

year 4

Professional Experience Placement

Professional Recognition

This programme is recognised as professional entry qualification by the Board of Valuers, Appraisers and Estate Agents Malaysia (BOVAEA), and the Royal Institution of Surveyors Malaysia (RISM). The former a professional regulating body and the latter a professional institution representing the surveying profession, including property management, valuation and estate agency surveying division in Malaysia.

Career Opportunities:

- Real Estate Valuers / Valuation Executives
- Property Managers / Property Executives
- Negotiator / Real Estate Marketing Executives
- Appraisers
- Building Managers / Building Executives
- Tenancy and Leasing Managers / Executive
- Property Development Consultants and Managers/Land Economists

Overview of Faculty

Be the Entrepreneur of the future

The Faculty of Business, Information and Human Sciences (FBIHS) is known for its quality academic programs, impressive academics and exciting community outreach activities. Each program that the faculty offers is intended to give students the skills and experience needed to advance their careers. The programmes are designed with a genuine understanding to meet the industry requirements for highly professional personnel in various fields. At the heart of this institution, lies various business-related education professionals with dynamic communication skills, information technology and research activities to prepare the students for global, political and social environments, and the development of international alliances in research, education and business.

Vision

To be a renowned faculty in business, technology and human sciences.

Mission

To promote academic, intellectual and professional development by emphasizing on the managerial acumen, communication skills, analytical thinking, and information technology skills in business, information and human sciences.

Fields of Study

- Accountancy
- Business Administration
- E-Commerce

Progression Pathway

• Diploma of Accounting • Diploma in Business Administration • Foundation in Arts	• Bachelor of Accountancy (Hons) • Bachelor of Business Administration (Hons) • Bachelor of Business Administration (Hons) E-Commerce • Bachelor of Science (Hons) in Logistics and Supply Chain Management • Bachelor of Science (Hons) in Economics and Finance	Master of Business Administration	Doctor of Philosophy (PhD) in Business Administration

Accountancy

Bachelor of Accountancy (Hons) KP/JPS(R2/344/6/0523)4/26

Duration: 3 years 6 months I Credits: 139

This programme offers specific knowledge of accounting, finance, taxation, auditing, costing, management and economics. The aims of the programme are to produce competent and dedicated accountants who possess the attributes and skills required in the accounting profession and to develop a holistic understanding of business operations, particularly in all functional areas of accounting. Through Industrial Placement at established corporations, students will be able to have valuable hands-on experience in real-life working environments. The programme is recognised by professional bodies such as ACCA, CIMA, MICPA and CPA Australia.

year 1

Introduction to Financial Accounting • Organizational Management • Business Mathematics • Office Application Technology • Microeconomics • Macroeconomics • Interactive Skills • Financial Accounting I • Cost Accounting • Basic Marketing • MPU Subjects (U1, U2, U3 & U4)

year 2

Business Ethics • Financial Accounting II • Management Accounting • Accounting Information System I • Report Writing • Introduction to Statistics • Business Law • Financial Management • Taxation I • Corporate Law • Advanced Financial Accounting I • Taxation II • Quantitative Methods & Statistics • Organizational Behaviour • Corporate Finance

year 3

Advanced Financial Accounting II • Auditing • Advanced Management Accounting • Accounting Information System II • Professional Communication • Free Elective I • Strategic Management • Advanced Audit & Corporate Governance • Free Elective II • Accounting Theory & Practice • Public Sector Accounting • International Business • Integrated Case Studies• Free Elective III

year 4

Industrial Training

Professional Recognition

- The **Association of Chartered Certified Accountants (ACCA);** the global body for professional accountants.
- The **Chartered Institute of Management Accountants (CIMA);** the world's largest professional body of management accountants.
- The **Malaysian Institute of Certified Public Accountants (MICPA);** which is responsible for developing the accounting profession in Malaysia by providing accounting graduates with an avenue to become Certified Public Accountants.
- The **Certified Practicing Accountants Australia (CPA Australia);** one of the world's largest accounting bodies

Exemption for Professional Examination

Graduates with the Bachelor of Accountancy (Hons) from IUKL will qualify for the following exemptions:

The Association of Chartered Certified Accountants (ACCA) - 9 papers

FI Accountant in Business
F2 Management Accounting
F3 Financial Accounting
F4 Corporate & Business Law
F5 Performance Management
F6 Taxation
F7 Financial Reporting
F8 Audit and Assurance
F9 Financial Management

The Chartered Institute of Management Accountants (CIMA) - 6 papers

C1 Fundamentals of Management Accounting
C2 Fundamentals of Financial Accounting
C3 Fundamentals of Business Mathematics
C4 Fundamentals of Business Economics
C5 Fundamentals of Ethics, Corporate Governance and Business Law
F1 Financial Reporting & Taxation

The Institute Professional Stage Examination, Malaysia Institute of Certified Public Accountants (MICPA)

Business & Company Law

Certified Practicing Accountants Australia (CPA Australia)

All 6 papers in the Foundation Level
1 Economics & Markets
2 Foundations of Accounting
3 Foundations of Business Law
4 Business Finance
5 Financial Accounting & Reporting
6 Management Accounting

* No exemptions on the Professional Level

Career Opportunities:

i. Auditor
ii. Accountant
iii. Finance Executive

** Candidates have the option of either, completing Auditing and/or Taxation with IUKL or in the CPA programme. All other core curriculum areas must be completed for admission as an Associate member.*

Accountancy

Diploma in Accounting KP/JPS(R2/344/4/0078)6/22

Duration: 2 years 6 months I Credits: 95

Diploma in Accounting provides students with the opportunity to acquire knowledge and skills in accounting studies. The curriculum is designed to provide sound knowledge of the important principles and concepts of accounting, auditing, taxation, as well as analysis of various corporate financial statements. As the programme covers broad and interdisciplinary aspects of accounting, management, finance, information systems and communication, it will equip the students with the ability to adopt and apply knowledge in real-life situations to meet the demands and challenges in the global economy.

year 1 — Financial Accounting I • Principles of Management • English for Business • Business Mathematics • Microeconomics • Macroeconomics • Business Communication I • Financial Accounting II • Business Communication II • Business Statistics • MPU Subjects (U1, U2, U3 & U4)

year 2 — Business Law • Introduction to Cost & Management Accounting • Financial Management • Taxation I • Financial Accounting III • Office Application Software • Company Law • Taxation II • Organizational Behaviour • Investment Analysis • Computer Application in Accounting • Financial Accounting IV • Human Resource Management • Basic Entrepreneurship

year 3 — Managerial Accounting • Financial Accounting V • Auditing • Accounting Theory & Practic

Professional Recognition

ACCA and CIMA

Exemption for Professional Examination

Graduates with the Diploma in Accountancy from IUKL will qualify for the following exemptions:

The Association of Chartered Certified Accountants (ACCA) - 3 papers

FI Accountant in Business
F2 Management Accounting
F3 Financial Accounting

The Chartered Institute of Management Accountants (CIMA) - 4 papers

C1 Fundamentals of Management Accounting
C2 Fundamentals of Financial Accounting
C3 Fundamentals of Business Mathematics
C4 Fundamentals of Business Economics

Career Opportunities:

- Auditor
- Accountant
- Finance Executive, etc.

Business Administration

Bachelor of Business Administration (Hons) KP/JPS(R2/340/6/0772)3/24

Majoring in :

Entrepreneurship / Finance and Banking / Human Resource Management
International Business / Islamic Finance and Banking / Management / Marketing

Duration: 3 years I Credits: 120

The Business Administration programme at IUKL is unique in its approach to management, leadership, and entrepreneurship in the business profession. This programme prepares students for management positions or professional careers in fields such as marketing, finance, entrepreneurship, management, or human resource management.

year 1

Microeconomics • Macroeconomics • Business Mathematics • Introduction to E-Commerce • Introduction to Financial Accounting • Introduction to Statistics • Office Application Technology • Organizational Management • Report Writing • Interactive Skills • MPU Subjects (U1, U2, U3 & U4)

year 2

Basic Entrepreneurship • Business Ethics • Business Law • Financial Management • Cost Accounting • Research Methods • Marketing Management • Operations Management • Organizational Behaviour • Professional Communication • Major Electives I & II

year 3

Strategic Management • Knowledge Management • International Business • Major Electives III & IV • Free Electives • **Industrial Training** / Project Paper I & II

Major Elective courses (12 credits)

Entrepreneurship
- Business Plan Development
- Entrepreneurship Creativity and Innovation
- Marketing Research for Entrepreneurs
- New Venture Creation
- Seminar in Entrepreneurship

Finance and Banking
- Corporate Finance
- Credit Management
- Financial Derivatives
- Security Investment and Portfolio Management

Human Resource Management
- Compensation and Benefits
- Human Resource Development and Training
- Industrial Relation
- Organization Development

International Business
- Managing Cultural Diversity
- International Economics
- International Marketing
- International Finance
- International Trade

Islamic Finance and Banking
- Current Issues in Islamic Banking & Finance
- Islamic Banking Management
- Islamic Capital Market
- Islamic Finance Management
- Islamic Transaction & Finance (Muamalat)

Management
- Innovation Management
- Managing Cultural Diversity
- Project Management
- Quality Management
- Technology Management

Marketing
- Customer Behaviour
- E-Advertising
- E-Customer Relationship Management
- Integrated Marketing Communication
- International Marketing
- Internet Marketing
- Service Marketing

Career Opportunities:
- Marketer
- Financial Planner
- Human Resource Executive
- Administrative Officer
- Entrepreneur

Business Administration

Diploma in Business Administration KP/JPS(R2/345/4/0776)1/24

Duration: 2 years I Credits: 90

The Diploma in Business Administration offers insights into the world of business administration which covers a wide range of topics from management to information technology. Students will be able to develop fundamental skills and acquire knowledge in business, finance, marketing and management. The course syllabus has been carefully designed to introduce new ideas and concepts emerging in the marketplace and students will be exposed to effective classroom discussions, case studies, and business plans that work.

year 1

Basic Accounting I • Basic Accounting II • Business Communication I • Business Communication II • Business Mathematics • Business Statistics • English for Business • Macroeconomics, Microeconomics • Principles of Management • MPU Subjects (U1, U2, U3 & U4)

year 2

Basic Entrepreneurship • Basic Marketing • Business Computing • Business Ethics • Business Law • Business Research Methods • Financial Management • Human Resource Management • International Business • Investment Analysis • Managerial Accounting • Marketing Management • Operations Management • Organizational Behavior

Career Opportunities:
- Administrator
- Marketer
- Entrepreneur
- Human Resources Staff
- Business Development Executive

E-Commerce

Bachelor of Business Administration (Honours) in E-Commerce

KP/JPS(R2/340/6/0271)12/23

Duration: 3 years I Credits: 120

The Bachelor of Business Administration in E-Commerce prepares students for a wide range of managerial positions in an e-commerce environment. Students will acquire theories as well as practical skills in all phases of business including information technology. This programme allows students to enhance their skills in selling and buying of organisational products and services via the electronic system.

year 1

Basic Marketing • Business Economics • Business Mathematics • Database Concepts • Introduction to E-Commerce • Introduction to Financial Accounting • Introduction to Statistics • Office Application Technology • Organizational Management • Report Writing • MPU Subjects (U1, U2, U3 & U4)

year 2

Basic Entrepreneurship • Business Ethics • Business Law • Corporate Finance • Cyber Law • Financial Management • Free Electives • Innovation Management • Intermediate E-Commerce • International Business • International Marketing / Quality Management • Managing Cultural Diversity • Operations Management • Organizational Behaviour • Professional Communication • Technology Management

year 3

E-Customer Relation Management • Free Electives • Industrial Relations / Management Information System / Marketing Management • Internet Marketing • Knowledge Management / Human Resources Management • Project Paper 1 & 2 / **Industrial Training** • Seminar in E-Commerce • Strategic Management

Career Opportunities:

- Web Designer
- E-Commerce Specialist
- IT Business Analyst
- Programmer

Sports Management

Diploma in Sports Management KP/JPS(R/345/4/0914)5/21

Duration: 2 years 6 months I Credits: 90

Today, the demand for experts and specialists in sports management is high not only in the local arena but also internationally. The ever growing sports industry requires a large number of specialists in sports management. The Diploma in Sports Management is designed to produce knowledgeable, competent and skilful human resource for the national sports industry. Besides that, this programme also aims to shape future graduates to be capable of applying theoretical knowledge and advanced practical skills. The diploma aims to prepare students who want to pursue a career in sports management, professional sports, sports club management, sports marketing and promotion or run a business in sports. Students will be exposed to subjects like Human Resource Management in Sports, Information Management in Sports and Strategic Management in Sports.

year 1

Basic Entrepreneurship • Basic of Sports Management • English for Sports Management I & II • Professional Activities in Badminton • Professional Activities in Basketball • Sports Communication • Sports Organisation • Exercise & Health Promotion • Introduction to Sports Psychology • Sport Sociology • Sports Accounting & Finance • MPU Subjects (U1, U2, U3 & U4)

year 2

Coaching Management • Conflict Management in Sports • Event Management • **Industrial Training** • Information Management in Sports • Legal Consideration in Sports Management • Office Application Software • Professional Activities in Football / Netball • Professional Activities in Futsal • Sports Management & Recreation • Sports Sponsorship • Sports Marketing • Sports & Recreation Facilities Management

year 3

Professional Activities in Volleyball • Seminar In Sports Management • Sports Officiating & Management • Strategic Management in Sports • Risk & Security Management in Sports • Sports Economy • Human Resource Management in Sports

Career Opportunities:

- Sports Development Officer
- Sports Programme Manager
- Sports Operations Manager
- Sports & Athlete Development Consultant
- Sports Club Sports Coordinator
- Health & Wellness Facilities Consultant, etc.

Logistics and Supply Chain Management

Bachelor of Science (Honours) in Logistics and Supply Chain Management KP/JPS(R/840/6/0018)4/24

Duration: 3 years I Credits: 122

The Bachelor of Science (Hons) in Logistics and Supply Chain Management is a very important subject for all types of businesses whether small or global. This programme prepares students to work in the very challenging and dynamic field of logistics which demands the fast, efficient and accurate strategic business decisions. Students will be exposed to multiple logistic activities and applications such as inbound and outbound logistics, aviation, and land transport which includes rail, road and off-road transport, and ship transport.

In addition to that, this programme provides students the opportunity to learn the aspects of logistics operation management encompasses of the design, implementation and management of systems for efficient deployment of personnel, physical facilities, raw materials, in-process inventories, finished goods and related information or services. Students also will have an opportunity to learn directly from the world renowned logistics companies through the frequent academic visits, academic seminars and industrial training.

year 1

Organizational Management • Business Mathematics • Introduction to Financial Accounting • Microeconomics • Management Information System • Basic Marketing • Product Design & Innovation • Macroeconomics • Report Writing • Introduction to Statistics • Calculus • Business Ethics • MPU Subjects (U1, U2, U3 & U4)

year 2

Business Law • Organizational Behavior • Operations Management • Cost Accounting • Financial Management • Quantitative Methods and Statistics • Intro to Logistics Management • Transport Theory and Practice • Professional Communication • Research Method • Basic Econometrics • Supply Chain Management • Procurement Management • International Trade Law

year 3

International Business • Export Management and Practice • Supply Chain Logistics Management • Strategic Management • Warehouse Management • Strategic Logistics Management • International Logistics • Quality Management • Inventory Management • **Industrial Training** (12 weeks)

Career Opportunities:

- Administration and supervisory roles in export/import
- Procurement and distribution manager
- Freight forwarding and customs officer
- Warehousing and inventory controller
- Stock analyst or researcher
- Consultants
- Supply Chain Manager

Economics and Finance

Bachelor of Science (Honours) in Economics and Finance KP/JPS(R/314/6/0020)4/24

Duration: 3 years I Credits: 122

The Bachelor of Science (Hons) in Economics and Finance is developed with the combination of substantial knowledge in economics and finance by which, made this degree programme unique, dynamic and highly strategic. The students will not only be exposed to the quantitative, but also qualitative skills in order to deal with various economics and industrial sectors especially those related to capital, financial and investment market within the global economics environment.

The students will also be exposed to the current industrial practices and trends through the academic visits, seminars, forums and dialogues. The graduates of this programme will be able to get the benefits in both fields of economics and finance and to qualify them to work as investment, financial or economics analyst, treasury manager, financial manager and many other challenging and highly potential career paths.

year 1

Introduction to Financial Accounting • Microeconomics • Macroeconomics • Organizational Management • Business Mathematics • Basic Marketing • Business Ethics • Report Writing • Introduction to Statistics • Management Information System • Mathematical Economics I • MPU Subjects (U1, U2, U3 & U4)

year 2

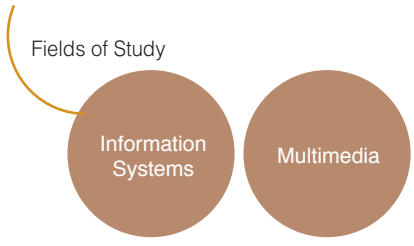
Business Law • Financial Management • Cost Accounting • Professional Communication • Quantitative Methods & Statistics • Basic Econometrics • Organizational Behaviour • International Economics • History of Economics Thought • Corporate Finance • Public Economics • Intermediate Microeconomics • Elective I • Elective II

year 3

Security Investment & Portfolio Management • Strategic Management • Intermediate Macroeconomics • Public Finance • Elective III • Elective IV • Financial Derivatives • International Finance • Financial Markets and Institutions • **Industrial Training**

Career Opportunities:

- Financial economist (in government, or in finance)
- Analyst
- Investment banking
- Commercial banking
- Risk management
- Fund management
- Securities trading
- Research
- Consultancy
- General management
- Further academic study



Progression Pathway

- Diploma in Visual and Interactive Media
- Foundation in Arts

→

- Bachelor of Information Technology (Hons) in Multimedia

→

- Master of Information Technology
- Master of Information Systems

→

Doctor of Philosophy in Information Technology

Information Systems

Bachelor of Information Systems (Hons) KP/JPS(R/482/6/0291)5/23

Duration: 3 years I Credits: 120

The Bachelor of Information Systems (Hons) degree programme is designed with the aims of producing competent and marketable graduates in managing and developing information systems in a business context with added knowledge in information management, enterprise systems, e-commerce and organisational behaviour. Graduates will also be able to integrate various technological solutions with their added knowledge in information systems management to be utilised either in working environment or in pursuing their postgraduate studies.

It is envisioned that Information Systems (IS) specialists from IUKL will be equipped with an understanding of the fundamental knowledge prerequisites for their roles as efficient IS specialists, having professional attitudes and ethics necessary for fulfilling their responsibilities towards the Creator, clients and the local and international societies. IS graduates from IUKL will be able to lead business organisations based on knowledge of important current issues in information systems such as the user centred approach in Electronic Enterprise Systems and Decision Support Systems and/or be able to conduct research, whether at a postgraduate level or in their own organization.

year 1

Introduction to Information System • Organization Management • Introduction to E-Commerce • Programming Fundamentals • Computer Architecture • Database Concepts • System Analysis & Design • Interactive Skills • Technical & Professional Communication • Data Communication & Networking • **Free Modules Subjects:** Introduction to Statistics • Business Economics • Basic Marketing • K-Management • Basic Accounting & Finance • Human Communication • Effective Reading Skills • Introduction to Corporate Multimedia • Innovation Management • Creative Writing • Land Economics & Property Market • Foreign Languages • MPU Subjects (U1)

year 2

Decision Support System • IT Entrepreneurship • Object Oriented Technique • Database Administration • Ethics And Professional Conducts • Artificial Intelligence • Human-Computer Interaction • Software Project Management • IT Planning Infrastructure • Requirements Engineering • **Field Elective Subjects:** Open Source Development • Software Development Tools • Introduction to Financial Accounting • XML based Web Application • Fundamentals of Multimedia • Human Computer Interaction • **Free Modules Subjects:** Introduction to Statistics • Business Economics • Basic Marketing • K-Management • Basic Accounting & Finance • Human Communication • Effective Reading Skills • Introduction to Corporate Multimedia • Innovation Management • Creative Writing • Land Economics & Property Market • Foreign Languages • MPU Subjects (U2 & U3)

year 3

Enterprise System • Information Security System • Internet Programming • IT Project I • IT Project II • **Field Elective Subjects:** Open Source Development • Software Development Tools • Introduction to Financial Accounting • XML based Web Application • Fundamentals of Multimedia • Human Computer Interaction • **Free Modules Subjects:** Introduction to Statistics • Business Economics • Basic Marketing • K-Management • Basic Accounting & Finance • Human Communication • Effective Reading Skills • Introduction to Corporate Multimedia • Innovation Management • Creative Writing • Land Economics & Property Market • Foreign Languages • **Industrial Training / Apprenticeship** • MPU Subjects (U4)

Career Opportunities:

- Information System Specialist
- Information System Analyst
- Requirement Engineer
- IS Researcher
- Chief Information Officer (CIO)
- Chief Knowledge Officer (CKO)
- Enterprise Systems Analyst/ Specialist

Multimedia

Bachelor of Information Technology (Hons) in Multimedia

KP/JPS(R/482/6/0317)5/23

Duration: 3 years I Credits: 120

The Bachelor of Multimedia (Hons) degree programme is designed with the aim of producing competent and marketable graduates in a variety of fields associated with design, media, the creative arts and information and communication technologies. These graduates will be able to integrate various digital and art technologies in multimedia design, production, management and evaluation. Students will be equipped with strong knowledge in the authoring process and creative media production, through a combination of individual and practical group project work and lecture materials.

Students are exposed to a broad range of subjects that reflect established and emerging industry best practices. It aims to produce graduates who are equipped to analyse and resolve issues in multimedia design and production. An important feature is practical problem solving in multi-disciplinary teams using current and emerging technologies. Through the knowledge and experience gained, students will be able to transform 2D graphics into 3D and incorporate them into games, mobile applications and computer programmes. Upon graduation, students can begin their successful career in the multimedia and animation industries.

year 1

Fundamentals of Multimedia • Story and Narration • Programming Fundamentals • Computer Architecture • Database Concepts • Discrete Structure • System Analysis & Design • Interactive Skills • Technical & Professional Communication • **Free Modules Subjects:** Introduction to Statistics • Introduction to E-Commerce • Business Economics • Organization Management • Basic Marketing • K-Management • Basic Accounting & Finance • Human Communication • Effective Reading Skills • Innovation Management • Creative Writing • Land Economics & Property Market • Foreign Languages • **Field Elective Subjects:** Photography • Cyber Law • 3D Animation • Desktop Publishing and Print Design • Artificial Intelligence in Computer Games • Human Computer Interaction • Introduction to Corporate Multimedia • MPU Subjects (U1 & U2)

year 2

Instructional Design • Object Oriented Programming • Multimedia Authoring • Digital Imaging • Ethics And Professional Conducts • Multimedia Network Traffic and Multicasting • Multimedia Programming • Digital Audio and Video • Multimedia Database System • Vector Graphic • **Free Modules Subjects:** Introduction to Statistics • Introduction to E-Commerce • Business Economics • Organization Management • Basic Marketing • K-Management • Basic Accounting & Finance • Human Communication • Effective Reading Skills • Innovation Management • Creative Writing • Land Economics & Property Market • Foreign Languages • **Field Elective Subjects:** Photography • Cyber Law • 3D Animation • Desktop Publishing and Print Design • Artificial Intelligence in Computer Games • Human Computer Interaction • Introduction to Corporate Multimedia • MPU Subjects (U3)

year 3

Computer Animation • Internet Programming • IT Project I • IT Project II • **Free Modules Subjects:** Introduction to Statistics • Introduction to E-Commerce • Business Economics • Organization Management • Basic Marketing • K-Management • Basic Accounting & Finance • Human Communication • Effective Reading Skills • Innovation Management • Creative Writing • Land Economics & Property Market • Foreign Languages • **Field Elective Subjects:** Photography • Cyber Law • 3D Animation • Desktop Publishing and Print Design • Artificial Intelligence in Computer Games • Human Computer Interaction • Introduction to Corporate Multimedia • **Industrial Training / Apprenticeship** • MPU Subjects (U4)

Career Opportunities:

- Multimedia Designer
- Webmaster
- Interface Designer
- Multimedia Producer
- Computer Game Designer
- Props Designer and Animator
- Photographer
- Video Producer
- Graphic Designer

Interactive Media

Diploma in Visual and Interactive Media KP/JPS(R/213/4/0235)2/25

Duration: 2 years 6 months I Ccredits: 94

The Diploma in Visual and Interactive Media equips students with the capabilities to work as visual and interactive media designers across traditional media and digital tools in a wide range of practices, from creative publishing to interaction design, leading projects from the conceptual stages to publication. Visual and interactive media designers play a crucial role in shaping the look and feel of visual media, and the ways people experience them. Students will be equipped with strong knowledge in creative and hands-on practical experience in all aspects of communication technology, that foster a unique contribution characterized as innovative in approach.

The Diploma in Visual and Interactive Media designed with the aims to produce skillful graduates in Visual and Interactive Media with added knowledge in entrepreneurial and technical skills, which will be able to get involved either in working environment or in pursuing their studies to bachelor degree. Students undertake industrial training to complement their educational experience complement their educational experience.

year 1

Academic English • Multimedia Technology • Computer Architecture • Art and Design Practice • Communication Skills in English 1 • Experimental Media Design • Audio Design • Narrative Visual Media • Interactive Scripting • Graphic Design Solutions • Interactive Visual Communication • MPU Subjects (U1, U2 & U3)

year 2

Communication Skills in English II • Motion Graphic • 2D and 3D Animation • Design and Structured Development • Human Computer Interaction • Digital Visual Concepts • Mobile Platform Development Environments • Web Content Management • Compositing and Post Production Techniques • IT Project • Production Process • **Major Elective Subjects:** IT Environment and Skills Sharing • Interactive Multimedia Authoring • Multimedia Delivery System • **Free Elective Subjects:** E-Commerce • Multimedia and Web Development • Mobile System & Software Development • Computer Ethics • 3D Modelling • MPU Subjects (U4)

year 3

Industrial Training

Career Opportunities:

- Desktop Publisher
- Script writer
- Storyboard Assistant
- Animation Director
- Graphic Designer
- Cartoonist
- Multimedia Designer
- Visual Development Artist
- Web Master
- Stop Motion Animator
- Flash Animator
- Character Animator
- Multimedia Editor
- Illustrator
- Digital Painter
- Web Designer
- Compositing Artist
- Art director
- Concept Artist
- Multimedia Artist
- Video and Audio Editor

Fields of Study

Communication | English Language Studies | Teaching English to Speakers of Other Languages

Progression Pathway

- Diploma in Communication
- Diploma in English for Professional Communication
- Foundation in Arts

→

- Bachelor of Communication (Hons) in Corporate Communication
- Bachelor of Communication (Hons) in Integrated Marketing Communication
- Bachelor of Arts (Hons) in Teaching English to Speakers of Other Languages (TESOL)

→

- Master in Communication
- Master of Arts in Teaching English to Speakers of Other Languages (TESOL)

→

PhD in Communication

Communication

Bachelor of Communication (Hons) in Corporate Communication

KP/JPS(R2/321/6/0238)1/24

Duration: 3 years I Credits: 122

The Bachelor of Communication (Hons) in Corporate Communication (BCCC) prepares students with extensive theoretical and corporate communication skills such as organizational communication, managerial communication, and crisis management among many other courses which equip students to communicate across borders.

year 1

Theories of Communication • Introduction to Social Science • Critical Reading Skills • Basic Marketing • Office Application Technology • Human Communication • Introduction to Corporate Communication • Small Group Communication • Mass Media and Society • Introduction to Corporate Multimedia • Communication Laws and Ethics • Public Speaking • MPU Subjects (U1 & U2)

year 2

Organizational Communication Strategies • Cross Cultural Communication • Corporate Writing • Publicity • Basic Entrepreneurship • Meeting Skills • Free Elective I • Corporate Communication Strategies • Managing Media Relations • Corporate Interviewing • Managing Advertising and Promotion • International Relations • Managerial Communication • Research Methods • Knowledge Management • MPU Subjects (U3)

year 3

Project Paper • Crisis Communication Management • Integrated Marketing Communication • Effective Negotiation • Free Elective II • International Marketing • Internet Marketing • **Industrial Training** • MPU Subjects (U4)

Career Opportunities:

- Media Relations Officer
- Event Executive
- Media Officer
- Marketing Executive
- PR Executive
- Customer Relations Executive
- Crisis Management Officer
- Communication Consultant

Communication

Bachelor of Communication (Hons) in Integrated Marketing Communication KP/JPS(R2/321/6/0150)5/25

Duration: 3 years I Credits: 122

The Bachelor of Communication (Hons) in Integrated Marketing Communication trains students to pursue a career in the marketing communication field. Students who graduate with this qualification will be able to design marketing communication campaigns that will spark interest and generate awareness about brands and products. Students will be armed with knowledge of various types of marketing communication tactics and strategies, from basic publicity to the use of viral marketing. In addition, this programme provides students with the opportunity to develop problem-solving and analytical skills to seek new and innovative solutions in integrating marketing communication functions.

year 1

Theories of Communication • Introduction to Social Science • Introduction to Integrated Marketing Communication • Basic Marketing • Office Application Technology • Human Communication • Introduction to Corporate Communication • Mass Media and Society • Introduction to Corporate Multimedia • Communication Laws and Ethics • Public Relations Practices • Interactive Skills • MPU Subjects (U1 & U2)

year 2

Cross Cultural Communication • Corporate Writing • Publicity • Basic Entrepreneurship • Critical Reading Skills • Free Elective I • Consumer Behaviour • E-Advertising • Managing Advertising and Promotion • Branding and Positioning • Promotional Writing • International Relations • Research Methods • Knowledge Management • MPU Subjects (U3)

year 3

Crisis Communication Management • IMC Campaign and Planning • Creative Strategy and Production in IMC • Effective Negotiation • IMC and Globalization • Free Elective II • International Marketing • Internet Marketing • **Industrial Training** • MPU Subjects (U4)

Career Opportunities:

- Copy Writer
- Advertising Executive
- Media Planner
- Creative Director
- Advertising Entrepreneur
- Brand Executive
- Art Director
- Social Media Executive

Communication

Diploma in Corporate Communication KP/JPS(R2/321/4/0081)8/23

Duration: 2 years 6 months I Credits: 96

The Diploma in Corporate Communication offers a structured package of courses that provide students with basic knowledge and understanding of the corporate communication field. The programme incorporates the practice of public relations, advertising, marketing, management, psychology, IT, law and ethics among others. This multidisciplinary curriculum is designed to give students an extra edge in their careers.

year 1

Fundamental of Corporate Communication • Introduction to Communication Theories • Introduction to Public Relations • Grammar in Action I • Grammar in Action II • Effective Listening & Speaking Skills I • Effective Listening & Speaking Skills II • Essential of Human Communication • Psychology of Communication • Customer Relations • Corporate Communication Practice I • Principles of Management • Office Application Software • Corporate Communication Practice II • MPU Subjects (U1 & U2)

year 2

Intercultural Communication • Contemporary Advertising • Oral Communication in Business • Introduction to Brand Management • Professional Image Building • Corporate Communication Practice III • Mass Media and Society • Desktop Publishing • Organizational Communication • Professional & Organisational Writing • Ethics and the Media • Negotiation for Success • Publicity and Strategies in Corporate Communication • Public Relations Practices • MPU Subjects (U3 & U4)

year 3

Organisational Communication • Negotiation for Success • Public Relations Practices

Career Opportunities:
- Junior Executive
- Marketing Officers
- Customer Service Officer

Language Studies

Bachelor of Arts (Hons) in English for Professional Communication

KP/JPS(R2/224/6/0100)6/24

Duration: 3 years I Credits: 120

The Bachelor of Arts (Hons) in English for Professional Communication prepares students to communicate effectively in a professional capacity. The use of appropriate communicative strategies in multicultural contexts forms the basis of various discussions and coursework. Students are also guided to carry out research and abide by the principles of ethical practices in various professional contexts.

year 1

Academic Writing • Creative Writing • Effective Reading Skills • Fundamentals of Communication • Fundamentals of English Grammar • Human Communication • Introduction to Linguistics • Introduction to Psycholinguistics • Language and Computers • Office Application Technology • Business Law • Phonetics and Phonology • Theories of Communication • MPU Subjects (U1)

year 2

A Survey of Prose Forms and Poetry in English • Basic Marketing • Business Writing Skills • Corporate Writing • Foreign Language I • Foreign Language II • Introduction to Corporate Multimedia • Meeting Skills • Professional Development • Report Writing • Research Methods • Sociology of Language • Organizational Management • U2 Subject • U3 Subject • MPU Subjects (U2, U3 & U4)

year 3

Managerial Communication • Business Ethics • Business Law • Critical Thinking • Discourse Analysis • **Industrial Training** • Project Paper • Public Speaking • Syntax and Morphology

Career Opportunities:
- Writer
- Assistant Lecturer
- Journalist
- Editor
- Corporate Trainer
- Public Relations Executive
- Corporate Executive

Language Studies

Bachelor of Arts (Hons) Teaching of English to Speakers of Other Languages (TESOL) KP/JPS(R/145/6/0091)1/22

Duration: 3 years I Credits: 120

The Bachelor of Arts (Hons) in Teaching English to Speakers of Other Languages (BA TESOL) programme is designed to prepare ESL educators who are theoretically informed and practically equipped, caring, committed, and competent for the higher learning institutional sector. The graduates of this programme will be capable of using knowledge of the current trends in language teaching, apply creative approaches to teaching and problem-solving and integrate computer skills in classroom teaching.

year 1

Theories & Practices in Language Teaching • Phonetics & Phonology • Sociology of Language • Introduction to Psycholinguistics • A Survey of Prose Forms & Poetry in English • Fundamentals of English Grammar • Introduction to Linguistics • ICT in The English Language Classroom • Educational Psychology • English For Specific Purposes • MPU Subjects (U1, U2, U3 & U4)

year 2

Material Selection & Design • Teacher as A Successful Practitioner • Assessment in TESOL • Syntax & Morphology • Media Resources in ELT • Academic Writing • Language Deficient Learner • Foreign & Second Language Learning & Acquisition • Teaching of Listening Skills • Research Methods • Educational Sociology • Public Speaking • Classroom Management • Critical Thinking • Global Trends in English Language Education

year 3

Teaching of Grammar • Teaching of Drama In ESOL • Teaching of Speaking Skills • Teaching of Reading Skills • Teaching of Writing Skills • Teaching of Prose Forms & Poetry In ESOL • Project Paper • Teaching Practice

Career Opportunities:

- Lecturer
- Teacher (International Schools / Colleges)
- Trainer
- Writer
- Curriculum Developer
- Editor

Language Studies

Diploma in English for Professional Communication KP/JPS(R/224/4/0035)8/23

Duration: 2 years 6 months I Credits: 93

The Diploma in English for Professional Communication prepares students with oral and written language skills for successful communication. Students are trained to synthesise strategies for problem-solving and apply analytical skills in designing, composing, and evaluating various types of discourses. They are also introduced to ethical principles that contribute to the development of the society.

year 1

Bahasa Kebangsaan A / B (National Language A / B) • Co-curriculum: Team Building • Effective Listening & Speaking Skills I • Effective Listening & Speaking Skills II • Expository Writing I • Fundamentals of Communication • Grammar In Action 1 • Grammar In Action II • Introduction To Communication Theories • Introduction to Psychology • Office Applications Software • Pengajian Islam / Pendidikan Moral (Islamic Studies / Moral Studies) • Pengajian Malaysia (Malaysian Studies) • Presentation Skills • Reading Skills • Study Skills

year 2

Desktop Publishing • Effective Articulation • Expository Writing II • Human Communication • Introduction to Public Relations • Introduction to Report Writing • Negotiation for Success • Oral Communication in Business • Organizational Communication • Principles of Management • Professional Correspondence • Professional Image Building • Psychology of Communication • Report Writing • Short Stories in English

Career Opportunities:

- Junior Editor
- Public Relations Officer
- Teacher
- Junior Corporate Executive

Language Studies

Intensive English Programme (IEP)

Duration: 1 year (3 Levels)

The Intensive English Programme (IEP) in Infrastructure University Kuala Lumpur (IUKL) consists of 3 levels aimed to improve the language proficiency of its students. The programme is structured to strengthen the language skills of the students: listening, speaking, reading, writing and grammar.

level 1

Listening & Speaking: • Discerning main ideas • Understanding sequences • Noticing specific details • Sound Discrimination • Picture Matching • Using correct pronunciation • Attempting correct stress and intonation • Questioning • Speaking coherently • Consonants, vowels and diphthongs • Contractions (it's, won't)
Reading & Writing: • Skimming and scanning • Looking for supporting details • Observing the mechanics of writing (spelling, punctuation) • Writing grammatically correct sentences in response to pictorial stimuli
Grammar & Vocabulary: • Content words • Functional words • Verbs and verb forms • Prepositions • Nouns and pronouns • Articles and determiners • Questions with tags and responses

level 2

Listening & Speaking: • Inferring • Comparing • Predicting • Completing tasks • Using correct pronunciation • Paraphrasing • Supporting and clarifying • Interacting in a group • Sentence stress and intonation • Pluralisation (-s/es/ies, men, children)
Reading & Writing: • Comparing • Clarifying • Using contextual clues • Determining relevance • Understanding and using study skills • Practising dictionary skills • Transferring information from linear to non-linear forms and vice versa • Writing sentences in correct sequence to form paragraphs • Writing different types of sentences • Writing paragraphs • Using spelling and grammar checker in word processor
Grammar & Vocabulary: • Accuracy practice • Understanding of words through contextual and grammar clues • Content words • Functional words • Tenses • Future and perfect aspect • Adverbs • Adjectives and intensifiers • Conjunctions and connectors • Positive and negative sentences • Positive and negative questions • WH questions and responses • Concordance

level 3

Listening & Speaking: • Classifying • Note-taking • Understanding varieties of English (e.g. British / American) • Summarizing • Oral Presentations Sentence stress and intonation • Sentence stress in questions
Reading & Writing: • Inferring • Summarizing • Note-taking • Differentiating between fact and opinion • Using critical and creative thinking skills • Writing sentences in correct sequence to form paragraphs • Understanding unity (topic sentence and supporting details) • Developing coherence and cohesion • Writing summaries • Writing essays • Writing full texts on specific topics
Grammar & Vocabulary: • Use of specialist dictionaries and the thesaurus • Accuracy practice • Understanding of words through contextual and grammar clues • Exposure to synonyms, antonyms and words generally confused in English • Content words • Functional words • Gerunds • Infinitives • Phrases, clauses and sentences • WH questions and responses Idiomatic expressions

Resource–Based Activities: • Newspaper in Education • Video-based Learning • Computer-aided Language Learning

The mission of the Intensive English Programme (IEP) is to serve learners of English by offering courses designed to support development of English language skills for academic studies (undergraduate and post-graduate programmes) at Infrastructure University Kuala Lumpur (IUKL).

This programme constitutes 3 levels from beginning to advanced and these levels provide sufficient language support in listening, speaking, reading, writing and vocabulary enrichment.

Currently, this programme holds 3 intakes in a year: March (10 weeks), June (14 weeks) and September/October (14 weeks).

Our programme is successful for the following reasons:

- Small class sizes allow students many opportunities to participate in meaningful class activities and create a comfortable class environment.
- Skills-based curriculum integrates reading and writing, listening and speaking into one complete program of study
- Classes vary by level, focusing on the needs of language learners of varying proficiency levels
- IEP is highly dedicated and personally committed to students' success in English

Overview of Faculty

Be the Scientist of tomorrow

The Faculty of Applied Science & Foundation Studies comprises the primary disciplines of Mathematics, Chemistry, Physics and Biology which support specialised interdisciplinary fields of teaching, research and industry engagement in engineering, biotechnology, agricultural science and sports management. All academic programmes emphasise the integration of the basic sciences within an interdisciplinary approach with the expressed intention of encouraging research, innovation and the preparation of graduates to work in a diverse range of professional practice as scientists.

Vision

To be a Centre of Excellence in Applied Science & Foundation Studies.

Mission

Faculty of Applied Science & Foundation Studies strives for excellence in the applied science and foundation studies by providing quality education, advance knowledge, state-of-the-art technology and excellent professional services.

Fields of Study

Foundation Studies

Foundation Studies

Foundation in Science KP/JPS(R2/010/3/0496)10/23

Duration: 1 year I Credits: 51* / 55**

51 credits for students opting for Engineering option

****55 credits for students opting for Non-engineering option***

Foundation in Science is designed to provide an entry into degree programmes in the engineering and non-engineering fields. Both the engineering and non-engineering students will study Physics, Chemistry, Mathematics and English Language at different levels. In addition to this, students have elective subjects based on their Major. Engineering students will choose Dynamics, Statics and Physics Laboratory while the non-engineering students will choose Biology, Biology Laboratory and Biochemistry. The total credit hours vary based on the fields chosen by the student: Engineering (51 credit hours) and Non-engineering (55 credit hours).

Students undergoing this programme have a wide selection of degree programmes to enrol into. In the engineering field, they have Civil Engineering, Mechanical Engineering, Electrical & Electronics Engineering, Automotive Engineering, while in the non-engineering field; options include, Medicine, Pharmacy, Food Science, Biotechnology and Agriculture.

This is a full time programme conducted in 3 semesters (1 year) and it develops students' ability and knowledge in theory and practice.

year 1

Programme Module: • Chemistry I & II • Chemistry Laboratory • English I, II & III • Mathematics I, II & III • Physics I, II, & III

Elective Subjects: ***Engineering option:*** • Statics • Physics Laboratory • Dynamics : ***Non-Engineering option:*** • Biology I • Biology II • Biology Laboratory • Biochemistry

Progression Pathway • Engineering

- Foundation in Science
  - Bachelor of Civil Engineering (Hons)
  - Bachelor of Electronics Engineering (Hons)
  - Bachelor of Mechanical Engineering (Hons)
  - Bachelor of Technology (Hons) in Automotive
  - Bachelor of Technology (Hons) in Construction Management
  - Bachelor of Technology (Hons) in Electro-mechanical
  - Relevant engineering degree courses at other universities, both local and overseas

Progression Pathway • Non-Engineering

- Foundation in Science
  - Bachelor of Biotechnology (Hons)
  - Bachelor of Agricultural Science (Plantation Management) (Honours)
  - Medicine Pharmacy, Food Science, Agricultural Science, Health and Sports Science related degree courses at other universities, both local and overseas

Foundation in Arts KP/JPS(R2/010/3/0499)1/24

Duration: 1 year I Credits: 50* / 51**

50 credits for students opting for Architecture option
51 credits for students opting for Business, Information Technology and Language Studies option

Foundation in Arts is designed to provide entry into degree programmes in Business, Information Technology, Language Studies and Architecture. Students have to study all the subjects listed in the programme module. However, students wishing to pursue a degree in architecture are given the option to replace Accounting and Business Law subjects with Introduction to Built Environment and Introduction to AutoCAD. The total credit hours vary based on the field chosen by the student: Business, Information Technology, Language Studies (51 credit hours) and Architecture (50 credit hours).

Students undergoing this programme have a wide option of degree programmes available such as IT, Accountancy, Business Administration, Marketing, Network Technology, Software Engineering, Computer Science, Advertising, Corporate Communication, English for Professional Communication and Architectural Studies. This programme helps develop critical thinking and language skills. It also gives an insight into the field you choose for the degree programme.

year 1

Programme Module: • Academic English I & II • Communication Essentials • Introduction to Computer System & Applications • Introduction to Critical Thinking • Introduction to Multimedia • Introduction to Psychology • Introductory Mathematical Analysis • Personal Effectiveness • Presentation Skills • Professional Writing
Elective Subjects: ***Architecture option:*** • Introduction to AutoCAD • Introduction to Built Environment • Introduction to Property & Construction • Drawing & Sketching • Architectural Graphics. ***Business, Information Technology and Language Studies option:*** • Business Law • Business Management • Principles of Accounting • Principles of Economics • Principles of Marketing

Progression Pathway

- Foundation in Arts

- Bachelor of Accountancy (Hons)
- Bachelor of Arts (Hons) in English for Professional Communication
- Bachelor of Arts (Hons) in TESOL
- Bachelor of Business Administration (Hons)
- Bachelor of Business Administration (Hons) in E-Commerce
- Bachelor of Communication (Hons) in Corporate Communication
- Bachelor of Communication (Hons) in Integrated Marketing Communication
- Bachelor of Computer Science (Hons)
- Bachelor of Information Systems (Hons)
- Bachelor of Information Technology (Hons) in Network Technology
- Bachelor of Landscape Architecture
- Bachelor of Multimedia (Hons)
- Bachelor of Quantity Surveying (Hons)
- Bachelor of Real Estate Management (Hons)
- Bachelor of Science (Architectural Studies)
- Bachelor of Science (Hons) in Economics and Finance
- Bachelor of Science (Hons) in Logistics and Supply Chain Management
- Bachelor of Software Engineering (Hons)
- Relevant degree courses at other universities, including both local and overseas

Engineering, Science & Technology

Architecture and Built Environment

Business, Information & Human Sciences

Foundation and General Studies

World Affiliations

Being strongly-affiliated with top-ranking universities in Europe, the United States, the United Kingdom, Australia, New Zealand, Ireland and more, IUKL is your gateway to a world-class education. Enjoy Credit Transfer or Advanced Standing arrangements with these universities.

United Kingdom

- University of South Wales
- Sheffield Hallam University
- Glasgow Caledonian University
- University of Northampton
- University of Portsmouth
- University of East London
- Canterbury Christ Church University
- University College Birmingham
- Birmingham City University

Japan

- University of Miyazaki

Australia

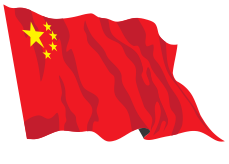
- University of New South Wales
- Swinburne University of Technology
- Curtin University of Technology
- The University of Newcastle

The Netherlands

- Hanze University of Applied Sciences

Ireland

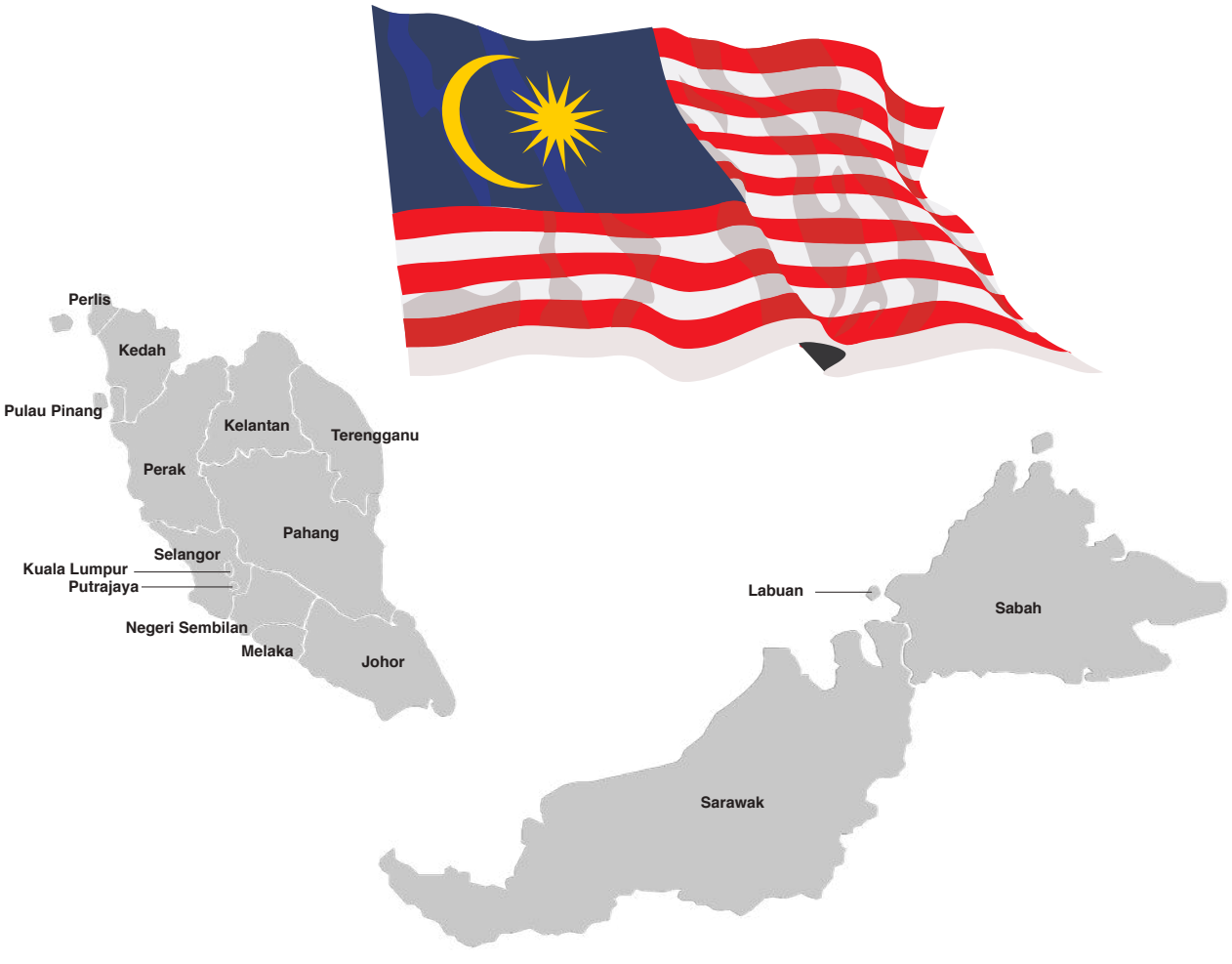
- Athlone Institute of Technology
- Dublin Business School



China

- HuBei Polytechnic Institute
- Tongji University
- Shangluo University
- Xinjiang University of Finance and Economics

Welcome to Malaysia!



What International Students Need to Know About Malaysia

Malaysia is a wonderful country with amazing geographical and historical treasures. Malaysians are by nature accommodating and friendly people. Malaysia has a solid infrastructure, enjoys a growing economy and is a unique melting pot of cultures that is unlike any other. It consists of thirteen states and three federal territories with a total land mass of 329,847 square kilometres (127,350 square miles) separated by the South China Sea into two similarly sized regions, Peninsular Malaysia and Malaysian Borneo.

The University

Our campus is nestled in the vicinity of Serdang / Kajang towns, located conveniently between Kuala Lumpur, and Putrajaya, the administrative capital of Malaysia. It is easily accessible via the North-South Highway (or Seremban Highway) and is a 35-minute drive from Kuala Lumpur city centre, 40-minutes from the Kuala Lumpur International Airport (KLIA) and 20-minutes away from Cyberjaya, the country's intelligent city.

Come visit us and speak to our friendly counsellors.

Where is Kuala Lumpur?

Kuala Lumpur is the commercial capital of Malaysia. The city covers an area of 243 km^2 with an estimated population of 1.6 million as of 2012. The city has played host to many international sporting, political and cultural events. This includes the 1998 Commonwealth Games and the Formula One World Championship. The tallest twin buildings in the world, the Petronas Twin Towers, have become an iconic symbol of Malaysia's futuristic developments.

Weather

The country experiences tropical weather all year-round. Temperatures are from 21°C (70°F) to 32°C (90°F). Higher elevations are much cooler with temperatures between 15°C (59°F) to 25° C (77°F). Annual rainfall varies from 2,000 mm to 2,500 mm.

Selamat Datang ke Malaysia!

Malaysia
3 Federal Territories +13 States

3 Federal Territories


Kuala Lumpur


Labuan


Putrajaya

13 States


Johor


Kedah


Kelantan


Melaka


Negeri Sembilan


Pahang


Perak


Perlis


Pulau Pinang


Sabah


Sarawak


Selangor


Terengganu

Transportation

Kuala Lumpur has a comprehensive road network that leads to the rest of Peninsular Malaysia. There are various modes of transportation such as buses, rail trains, and taxis. Rail transportation in Kuala Lumpur includes light rail (RapidKL Light Rail Transit), monorail (KL Monorail) and commuter rail (KTM Komuter). The main rapid transit hub is KL Sentral which facilitates as an interchange station for Kuala Lumpur rail systems and is a hub for the intercity railway, operated by KTM Intercity.

KTM Serdang	**LRT** Sungai Besi Station	Opposite KTM Serdang **bus stop**	**Shuttle bus** service	**MRT**

You can also make your way to IUKL via KTM Komuter service to Serdang station or LRT Sungai Besi station and hop onto the IKRAM / IUKL feeder bus service.

Note: Please login to our website for more information on the bus schedule.

International Students Management Centre

The University's International Students Management Centre is ever ready to assist you to ease your transition to a new campus life and new country. In addition, our trained immigration advisers are able to provide information and answer inquiries you might have before your arrival to Malaysia. ISMC also facilitates International **Student Visa applications** and provides **airport pick-up services** and **accommodation placement.**

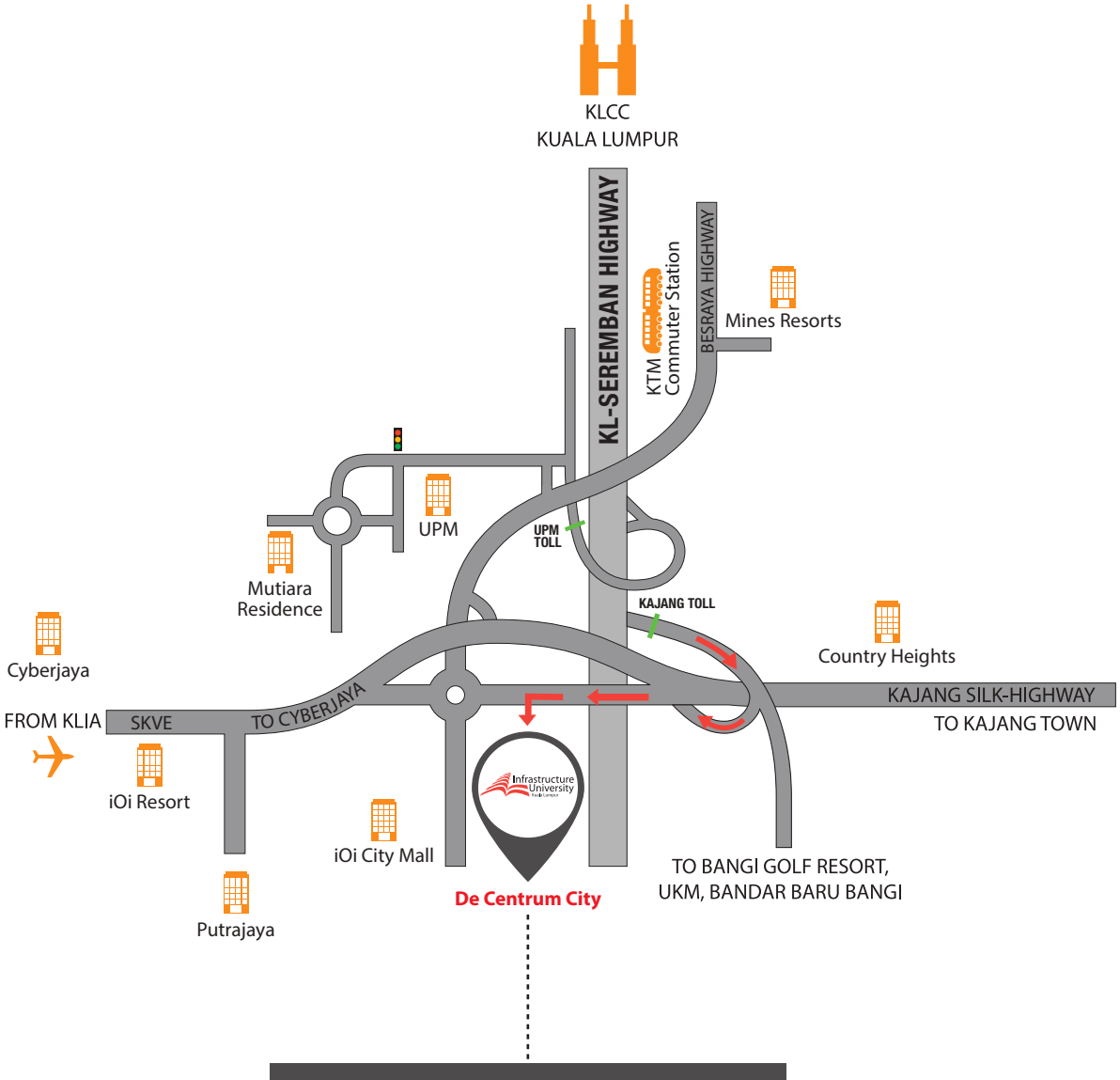
Living Costs

Estimated living costs in Malaysia are significantly lower than the world average. The affordable cost of quality education is one of the many reasons why many international students choose to study in Malaysia.

Multi-ethnic International Campus

The IUKL student community is an exciting mix of local and international students from over 50 countries. This environment will expose students to ethnic diversity which indirectly increases self-confidence and communication skills.

www.IUKL.edu.my facebook.com/myIUKL twitter.com/myIUKL instagram.com/myIUKL



Our **Location**

• GPS coordinate: 2° 58' 46" N, 101° 44' 24" E

Infrastructure University Kuala Lumpur (IUKL) DU035(B)
Ikram Education Sdn Bhd (402343-M)
Corporate Block, Unipark Suria, Jalan Ikram-Uniten,
43000 Kajang, Selangor Darul Ehsan, Malaysia

Programme Counselling:	**1-800-88-STUDY (78839)**
International:	+603-8738 3339
Student Services:	+603-8926 6993
WhatsApp:	+6019 388 3435 (Malaysian)
	+6014 329 3375 (International)
Email:	inquiry@iukl.edu.my (Malaysian)
	international@iukl.edu.my (International)

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SCAN ME