SEGi University & Colleges

ENGINEERING & BUILT ENVIRONMENT

/ˌen.dʒɪˈnɪə.rɪŋ/ /ænd/ /ðiː/ /bɪlt/ /ɪnˈvaɪ.rə.mənt/ **noun**

1. Recognised by Board of Engineers Malaysia, Lembaga Arkitek Malaysia Board of Quantity Surveyors Malaysia
2. Research and innovation focused
3. Graduate with additional certificates and affiliations
4. Strong industrial collaboration

QS WORLD UNIVERSITY RANKINGS

TOP 1.5%

UNIVERSITY IN THE WORLD

JOINING THE WORLD'S BEST – DEBUTING @ #731-740

You're not just choosing a university — you're stepping into the global spotlight. SEGi University is now officially ranked among the world's best, placing in the 731-740 band in the QS World University Rankings 2026.

This is your chance to learn, grow, and thrive at a university recognised for world-class teaching, real-world impact, and future-ready graduates. Welcome to a community that's not just part of the conversation — we're leading it.

The **Quacquarelli Symonds (QS) World University Rankings** are among the most trusted global benchmarks for university excellence.

There are an estimated 50,000 universities in the world. Of these, QS evaluates over 8,467 institutions worldwide based on academic reputation, employer reputation, faculty-to-student ratio, research impact, and international diversity.

Being ranked means a university has proven its quality, impact, and global relevance — and by joining SEGi, you become part of the world's best.

QS WORLD UNIVERSITY RANKINGS

QS WORLD UNIVERSITY RANKINGS 2026 RANKED

#731-740

#8 IN THE WORLD
STUDENT DIVERSITY

#13 IN THE WORLD
INTERNATIONAL STUDENTS

#100 IN THE WORLD
FACULTY-STUDENT RATIO

#179 IN THE WORLD
INTERNATIONAL FACULTY

#1 IN MALAYSIA
STUDENT DIVERSITY

#1 IN MALAYSIA
INTERNATIONAL STUDENTS

#5 IN MALAYSIA
INTERNATIONAL FACULTY

#9 IN MALAYSIA
EMPLOYMENT OUTCOMES

Source: QS World University Rankings

BE A PART OF THE WORLD'S BEST

Unlock possibilities at one of the **FINEST UNIVERSITIES** in the world

>80
NATIONALITIES @ SEGi

>600
INDUSTRY PARTNERS

100%
EMPLOYABILITY RATE

Being part of a world-ranked university isn't just about prestige — it's about recognition, opportunity and your future.

When you study at SEGi, you're joining a university that the world now recognises for academic excellence, impactful research, and graduate success.

At SEGi, your journey isn't just local — it's global. And this ranking is just the beginning of where your degree can take you.

A GLOBALLY RESPECTED DEGREE
Your qualification carries international weight. A SEGi degree gives you a competitive edge when applying for jobs, scholarships, or further studies abroad.

STRONGER EMPLOYER CONFIDENCE
Employers recognise the QS brand and value graduates from ranked universities. A SEGi degree signals that you're trained to global standards.

ACCESS TO GLOBAL NETWORKS
Join SEGi's international academic and industry community — with opportunities to collaborate, intern, and work around the world.

QUALITY THAT'S PROVEN
From personalised learning and industry-integrated projects to global research and diverse classrooms — you're learning from, and being mentored by, the best.

PRIORITY ACCESS TO INTERNATIONAL PATHWAYS
QS-ranked universities are preferred partners for credit transfers, postgraduate admissions, and student exchange. SEGi offers a smoother route to global education.

HIGHER VALUE IN THE JOB MARKET
A degree from a globally ranked university helps you stand out in competitive job markets — locally and internationally.

LEARNING WITH THE WORLD
You'll study alongside students and academics from across the globe — building cultural intelligence and real-world collaboration skills.

ONE OF THE LARGEST & LEADING HIGHER EDUCATION GROUP IN MALAYSIA

48 YEARS AT THE FOREFRONT OF EDUCATION

KOTA DAMANSARA | KUALA LUMPUR | SUBANG JAYA
PENANG | KUCHING | IPOH | JOHOR BAHRU | SIBU

ONE OF THE ONLY 24 IN THE WORLD

QS WORLD-RANKED UNIVERSITY WITH A QS 5 STARS+ RATING

QS Overall OUTSTANDING

- Teaching
- Internationalisation
- Online Learning
- Arts & Culture
- Employability
- Academic Development
- Bachelor of Medicine and Bachelor of Surgery (MBBS)
- Inclusiveness

Quality education accredited and assured by the Malaysian Ministry of Education and other organisations

QS WORLD UNIVERSITY RANKINGS | QS Overall OUTSTANDING | SETARA | MyQUEST | Times Higher Education Impact Rankings | RANKED ASIA 2020 | QS WORLD UNIVERSITY RANKINGS

SETARA 2019 | MyQUEST | MOHE MyQuest 2010/2011 Evaluation | MOHE MyQuest 2012/2013 Evaluation | MyQUEST 2014/2015 | MyQUEST OUTSTANDING

PUTRA BRAND AWARDS SILVER 2013 - 2015 (Education & Learning) | PUTRA BRAND AWARDS BRONZE 2012, 2016, 2017 & 2018 (Education & Learning) | BRAND OF THE YEAR 2013 - 2015 Education - Malaysia World Branding Award | MRCA QUILL AWARDS Outstanding Innovation Award 2014 | Reader's Digest Trusted Brand 2013 - 2015 (Services, Private University/College) | SETARA-2019 Emerging University

Partner Universities and Institutions

YOUR GATEWAY TO LEADING GLOBAL INSTITUTIONS

Consortium of Global Research and Mobility Partners

- 日本薬科大学 NIHON PHARMACEUTICAL UNIVERSITY
- COORG INSTITUTE OF DENTAL SCIENCES
- PEOPLE'S UNIVERSITY
- 三亚学院 UNIVERSITY OF SANYA
- 1956
- SAVEETHA UNIVERSITY — Declared U/S 3 of UGC Act 1956
- MTIA
- UNIVERSITY OF SEYCHELLES — Knowledge hub of the Indian Ocean
- Université de Limoges
- FERRANDI PARIS
- FPT Education — FPT UNIVERSITY
- INFO MYANMAR UNIVERSITY

OUR PARTNER UNIVERSITY

UNIVERSITY OF GREENWICH

University of Greenwich (UoG), UK

2024 - 2025

QS	691 - 700th WORLD UNIVERSITY RANKINGS
	97th EUROPE UNIVERSITY RANKINGS NORTHERN EUROPE
THE	501 - 600th WORLD UNIVERSITY RANKINGS
	89th IMPACT RANKINGS
	97% INTERNATIONAL OUTLOOK SCORING
	301 - 400th BUSINESS & ECONOMICS SUBJECT RANKING
	401 - 500th SOCIAL SCIENCES SUBJECT RANKING
	501 - 600th EDUCATION SUBJECT RANKING
	601 - 800th COMPUTER SCIENCE SUBJECT RANKING

WHERE ACADEMIA MEETS INDUSTRY

SEAMLESS INTEGRATION FOR REAL-WORLD SUCCESS

Bringing industry expertise into the classroom and taking classroom knowledge into the field.

Our programme bridges the academic and industry divide by bringing professionals directly into the classroom and extending students' learning into real-world industry settings. Courses are co-delivered by industry experts, allowing students to learn the latest industry practices directly from professionals. This blend of academic rigor and industry relevance ensures our graduates are prepared to meet professional demands immediately upon entering the workforce.

INDUSTRY-DRIVEN CURRICULUM DESIGN

Industry-co-developed courses are a great choice if you're looking to build a strong career foundation. They're designed with input from professionals, ensuring you gain the exact skills employers value. This means you'll graduate confident, capable, and ready to meet real-world job expectations.

PROFESSIONAL SKILL DEVELOPMENT WORKSHOPS

Workshops on communication, project management, and teamwork are key to building essential soft skills. They prepare you to lead effectively and collaborate seamlessly in diverse teams, skills that are critical for success in any career.

GUEST LECTURES AND MENTORSHIP FROM INDUSTRY EXPERTS

Guest lectures and mentorship are invaluable for your growth. They give you direct access to industry professionals, offering insights you won't find in textbooks.This connection not only accelerates your learning but also prepares you for the real-world challenges of your career.

CLASSROOM-TO-INDUSTRY PROJECT

Real industry projects give you the chance to apply what you've learned in the classroom to real-world challenges. They help you build practical problem-solving skills, preparing you to contribute effectively and make an immediate impact in your career.

INDUSTRY-SPONSORED INTERNSHIPS

Internships with top companies provide invaluable hands-on experience, bridging the gap between theory and practice. They often open doors to employment opportunities, giving you a strong head start in your career and even leading to job offers before you graduate.

CAPSTONE PROJECTS WITH REAL-WORLD IMPACT

Capstone projects tackle real industry challenges, and the solutions you develop are evaluated by professionals. This not only gives you hands-on experience but also helps you build a portfolio that catches the eye of potential employers.

A FREE SEMESTER IN LIMOGES, FRANCE

EXPANDING ACADEMIC HORIZONS AND PRACTICAL SKILLS WITH INTERNATIONAL EXPOSURE.

#1201-1400
QS World University Rankings

#701-850
QS WUR Ranking By Subject

#1451-1500
QS Sustainability Ranking

#134
Europe University Rankings - Western Europe

Our programme includes a fully-funded semester in Limoges, France, where students experience the Engineering field from a global perspective. This immersion allows students to learn from top international faculty and collaborate with peers worldwide, expanding both their technical and cross-cultural skills. The semester in Limoges enhances students' adaptability, a valuable trait in today's interconnected engineering industry.

INTEGRATED INTERNATIONAL CURRICULUM

Limoges coursework aligns with our programme, letting you gain international insights while staying on track for graduation—maximising learning without extending your degree.

EXPOSURE TO EUROPEAN ENGINEERING PRACTICES

Collaborating with top European engineers offers students a unique perspective and the chance to learn specialised skills. This experience sets you up to thrive in a global engineering landscape, giving you an edge in the international job market.

NETWORK-BUILDING ACROSS BORDERS

By connecting with global peers, faculty, and industry leaders, you'll build a valuable network that can open doors to international career opportunities and collaborative projects, giving them a competitive edge in the global marketplace.

CULTURAL ADAPTABILITY TRAINING

Living abroad helps you develop resilience, adaptability, and cross-cultural communication skills—traits that are essential for thriving in diverse teams and managing international projects.

PIONEERING ENGINEERING DESIGN AND R&D

THROUGH REAL-WORLD INNOVATION

Empowering students to lead in model building, simulation, and impactful research from day one.

Our Engineering programmes are all about hands-on learning and real-world problem-solving. You'll work closely with industry experts, tackle real challenges, and gain practical experience using advanced simulation software to create and test models that mirror real industry conditions.

Through industry-linked research and undergraduate projects, you'll bring innovative ideas to life and develop practical solutions for today's engineering challenges. From Mechanical to Chemical, Civil to Electronics & Electrical, and even Mechatronics, you'll graduate ready to make a real impact across various engineering fields.

Our curriculum integrates Sustainable Development Goals (SDGs), empowering you to design solutions that not only solve today's engineering problems but also contribute to a more sustainable and innovative world. Because in engineering, it's not just about building structures; it's about shaping a better future for generations to come.

"The Chemical Engineering programme at SEGi University provided me with a solid foundation in process design, thermodynamics, and reaction engineering. Through lab sessions, industrial training, and design projects, I gained practical problem-solving skills that have been invaluable in my career. For anyone considering a career in engineering, I highly recommend this programme."

KANG HUI KEE

- *Graduate (2023), Chemical Engineering Programme,*
- *Production Engineer, KLK Oleomas Sdn Bhd*

"SEGi University provided me with an incredible foundation for success. With a full scholarship for my B. Eng. in Mechanical Engineering and the guidance of dedicated lecturers, I achieved three scientific publications in my final year—an accomplishment that has propelled my career. Thank you, SEGi, for shaping my journey!"

JOSEPH WU

- *Graduate (2021), Mechanical Engineering*
- *Fire Modelling Engineer, SOCOTEC, London*

"SEGi University provided a supportive and enriching learning environment that made my time truly rewarding. Thanks to the guidance of amazing lecturers, my final-year project was accepted at the 2023 International Conference on Smart Green Technology in Electrical and Information Systems (ICSGTEIS)—a proud milestone in my journey."

TAN JIA SHENG

- *Graduate (2023), Electrical and Electronics Engineering*
- *Project Engineer, Reliant International Engineering Pte Ltd, Singapore*

"My time at SEGi University was an unforgettable journey of growth. The engaging curriculum, excellent professors, and hands-on experiences provided me with invaluable skills that have shaped my career. I'm grateful for the immense support, guidance, and encouragement from the faculty throughout my studies. SEGi didn't just prepare me for the workforce—it inspired me to push boundaries and aim for excellence."

HOMISH MOHABEER

- *Graduate (2023), Electrical and Electronics Engineering*
- *Solar Design Engineer, Green Yellow, Mauritius*

WHERE EXCELLENCE IS RECOGNISED

SEAMLESS INTEGRATION OF ACADEMIC AND PROFESSIONAL STANDARDS

Our Engineering programmes are designed to meet the highest global standards, recognised and accredited by renowned accreditation bodies and professional organisations. This ensures our graduates are equipped with globally competitive skills and knowledge, making them highly sought-after in the industry.

Accreditation Bodies

Professional Bodies

SHAPING THE FUTURE OF ENGINEERING LEADERS

ACADEMIC EXCELLENCE BACKED BY PROFESSIONAL EXPERTISE

We combine academic rigour with real-world expertise at SEGi University. Our faculty includes top-tier industry leaders and professionals who bring years of practical experience to the classroom, empowering you to become a future-ready engineer.

We bridge theory with industry insights, equipping you with cutting-edge skills and hands-on experience. With a future-focused curriculum, you'll be ready to lead innovation and tackle real-world engineering challenges.

MEET OUR ACADEMIC & PROFESSIONAL STRENGTHS

- IEM President (2024-2025)
  - Ir Prof Dr Jeffery Chiang (Professor of Civil Engineering Programme)
- ASHRAE Malaysia Chapter President (2021-2023)
  - Ts Dr King Yeong Jin (Deputy Dean of Faculty of Engineering, Built Environment and Information Technology)
- EAC & ETAC Panels
  - Ir Assoc Prof Dr Tan Yong Chai (Dean of Faculty of Engineering, Built Environment and Information Technology)
  - Ir Assoc Prof Dr Moey Lip Kean (Associate Professor of Mechanical Engineering Programme)
  - Ir Dr Tengku Anita Raja Hussin (Senior Lecturer of Civil Engineering Programme)
  - Ir Ts Najmi Haziq Badrulhisam (Lecturer of Mechanical Engineering Programme)
- Over 80% of our academic staff are PhD-qualified.
- Certified ISO Trainer
- Certified Aspen HYSYS
- Certified SolidWorks Trainer
- Certified Autodesk Revit Trainer
- Certified Structure Revit Modeler CIDB
- Certified ESG Trainer
- Certified Hazardous Waste Management
- Certified Grid Connected Photovoltaic System Trainer
- Certified Autodesk Inventor Trainer

YOUR WORK EXPERIENCE COUNTS!

SHORTEST & FASTEST PATHWAY FOR ADULT LEARNERS

APEL.A

SKIP ENTRY REQUIREMENTS: DIRECT ENTRY PATHWAY

Can't meet the entry requirements? APEL.A is the preferred alternative pathway to qualify yourself for a programme.

APEL.C

SHORTEN YOUR STUDY DURATION

Cut your studying duration up to 50% using your experience from work & training!

CANNOT COMMIT FOR A FULL-FLEDGED PROGRAMME?

"ALA-CARTE" YOUR EDUCATION

BUILD YOUR QUALIFICATION SUBJECT BY SUBJECT

Not ready to take on a full-fledged programme? Enrol in 1 subject as a micro-credential first. Accumulate the subjects over time and stack them up to become a full-fledged qualification.

PROFESSIONAL PROGRAMMES

4 **MICRO-CREDENTIAL SUBJECTS**

DEGREE/DIPLOMA

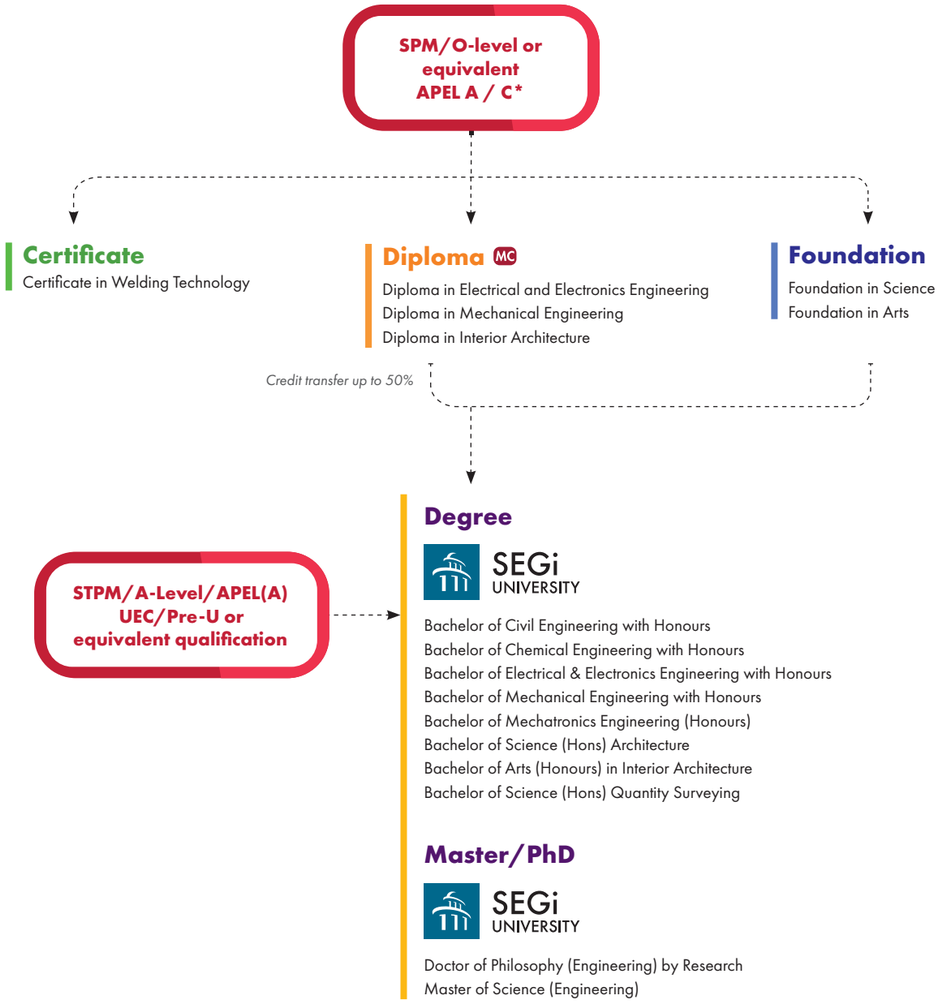
6 **PROFESSIONAL PROGRAMMES**

QUALITY EDUCATION WITHIN REACH

PROGRAMMES THAT SUITS YOUR NEEDS

Mode of Study	Full time	Programme is offered in full time mode
Micro-credentials	MC	Micro-credentials are designed for students who wish to 'ala carte' their education. Subjects are offered on a singular basis and are stackable over time to convert into a full-fledged qualification
APEL	APEL. A/C	Developed by the Malaysian Qualifications Agency (MQA), the Accreditation of Prior Experiential Learning (APEL) programme enables students to access multiple pathways into a recognised programme
Mobility	Mobility	Students are eligible to study in another SEGi campus for 1 semester without additional cost to their tuition fee
	Global Mobility	Students are eligible to transfer to our partnering universities for mobility programmes
Funding	PTPTN Assistance	A dedicated PTPTN Assistance office to help students secure PTPTN fundings
	EPF-Claimable	Students/guardians can withdraw from the EPF to fund their/their children's studies
	PTPTNX'tra	PTPTNX'tra helps cover the remaining shortfall that is not covered by PTPTN. Students can effectively pay nothing until they graduate and enjoy an education loan with a minimal interest rate of 1%
	EduFlex	Designed for Adult Learners, students can leverage on our education loan with a minimal 4% interest
	0% Installment	We offer a 0% interest monthly instalment plan, so that you don't have to break the bank.

STUDY ROUTE



ENTRY REQUIREMENTS FOR INTERNATIONAL STUDENTS

bit.ly/engentry

PROGRAMME MATRIX

Programme	Awarding Institution	Entry Requirements	Campus
Bachelor of Civil Engineering with Honours KD (R2/526/6/0070)(06/26)(MQA/FA9354)	SEGi University	• STPM - 2 principal passes including Mathematics and 1 relevant Natural Science subject • A-Level - 2 principal passes including Mathematics and 1 relevant Natural Science subject • UEC - 5 Bs MUST include Mathematics and 1 relevant Natural Science subject • Foundation Studies - CGPA of at least 2.00 in a relevant field from an institute of higher education recognised by the Malaysian Government • Diploma or other relevant fields with a minimum of CGPA 2.00 from a higher education institute recognised by the Malaysian Government • Other - Equivalent qualification recognised by Malaysian Government * Note: Natural Sciences subjects are Physics, Biology, Chemistry, etc. Students who do not meet the above criteria can undertake remedial programmes to attain the equivalent entry qualification.	Kota Damansara
Bachelor of Mechanical Engineering with Honours KD (R2/521/6/0146)(10/27)(MQA/FA12419)			
Bachelor of Electrical and Electronics Engineering with Honours KD (R2/523/6/0060)(10/28)(MQA/FA1882)			
Bachelor of Chemical Engineering with Honours KD (R2/524/6/0011)(06/29)(MQA/FA1275)			
Bachelor of Mechatronics Engineering (Honours) KD (N/0788/6/0007)(03/31)(MQA/PA17306)			
Bachelor of Science (Hons) Architecture KD (R/0731/6/0015)(11/26)(MQA/FA8425)		• STPM - 2 principal passes AND Credit in Bahasa Malaysia & Mathematics in SPM • A-Level - 2 principal passes AND Credit in Mathematics in SPM • UEC - 5 Bs MUST include Mathematics subject • Foundation Studies - min. CGPA 2.00 AND Credit in Mathematics in SPM or equivalent • Diploma or other relevant field with minimum of CGPA 2.00 from higher education institute recognised by the Malaysian Government • Other - Equivalent qualification recognised by Malaysia Government Additional Requirements • Passed in Art/ Technical Drawing subject in SPM or equivalent OR Passed portfolio assessment interview for those who failed or did not take Art subject	
Bachelor of Science (Hons) Quantity Surveying KD (R2/0734/6/0016)(03/30)(MQA/FA1239)		• STPM with a minimum of Grade C (CGPA 2.00) in any three (3) subjects; or • Matriculation/Foundation programmes (offered by HEPs recognised by the Government of Malaysia, or equivalent) with a minimum CGPA of 2.50; or • A-Levels with a minimum of Grade D in any three (3) subjects; or • Diploma (with respect to MQF level 4) in Quantity Surveying or related disciplines, with a minimum CGPA of 2.67 or not less than 60% overall marks. For applicants with a CGPA or overall marks less than 2.67 or 60%, respectively, their working experiences can be taken into consideration when assessing their applications. For applications with qualifications other than those listed above, applications will be assessed on a case-by-case basis, in accordance with the latest guidelines established by MOHE and MQA, and shall comply with BQSM's requirements	

Programme	Awarding Institution	Entry Requirements	Campus
Bachelor of Arts (Hons) in Interior Architecture KD (R2/0731/6/0008)(05/32)(MQA/FA1340)	SEGi University	• STPM - 2 principal passes • A-Level - 2 principal passes • UEC - 5 Bs • Foundation Studies - CGPA at least 2.00 in relevant field from institute of higher education recognised by the Malaysian Government • Diploma or other relevant field with minimum of CGPA 2.00 from higher education institute recognised by the Malaysian Government • Other - Equivalent qualification recognised by Malaysia Government Additional Requirements • Passed in Art/ Technical Drawing subject in SPM or equivalent OR Passed portfolio assessment interview for those who failed or did not take Art subject	Kota Damansara
Diploma in Electrical and Electronics Engineering SJ (R3/0712/4/0006)(11/27)(MQA/FA2829) PG (R2/523/4/0103) (01/28) (MQA/FA2301)	SEGi College	• SPM/SPMV/O-level or equivalent: At least 3 credits, including Mathematics and a Science/Technical/Vocational subject, and passed English. • UEC/STPM/STAM or equivalent: Specific requirements include at least grade B in UEC subjects, a pass and credit in STPM subjects, or Pangkat Maqbul in STAM, with required passes in Mathematics, English, and a Science/Technical/Vocational subject. • Vocational/Technical Certificates: Sijil Kemahiran Malaysia (Tahap 3 KKM) or equivalent with relevant experience or bridging program completion. • International Students: TOEFL score of 500 or IELTS score of 5.0 or equivalent.If not met, an English course will be provided to ensure proficiency. • MQA APEL (Accreditation of Prior Experiential Learning): Admission to the Diploma programme based on APEL T-4 requirements.	Subang Jaya Penang
Diploma in Mechanical Engineering SJ (R3/521/4/0014) (03/27) (A 7749)			Subang Jaya Kuala Lumpur
Diploma in Interior Architecture SJ (R3-TVET/0731/4/0013)(11/27)(TVET/QF14618)		• SPM / O-Level or equivalent with 3 credits • STPM with minimum Grade C (GP 2.00) in any subject • STAM with minimum grade of Maqbul in any subject • UEC with 3 credits • Related SKM Level 3 / SVM • Related Certificate Level 3 with minimum CGPA of 2.00 or equivalent • MQA-APEL T4 Additional Requirements • Pass aptitude test or submission of portfolio	Subang Jaya
Certificate in Welding Technology KD (N/0714/9/0001)(12/29)(MQA/PA17657)		• SPM / O-Level or equivalent with 1 credit • UEC with 1 credit • SKM Level 2 • MQA-APEL T3 Additional Requirements • Pass in Mathematics at SPM / O-Level or equivalent	Kota Damansara
Foundation in Science KD (R2/010/3/0356)(07/25)(MQA/A4432) SJ (R3/0011/3/0083)(04/28)(A7755)	SEGi	• SPM/O-Level - min. 5 credits including Mathematics and 2 Science subjects • UEC – min. B in 3 subjects including Mathematics & 2 Science subjects Additional Requirements Credit in Maths and 2 Sciences at SPM / O-Level or equivalent	Kota Damansara Subang Jaya
Foundation in Arts KD (R2/010/3/0406)(07/26)(MQA/FA0193) SJ (R2/0011/3/0082)(07/26)(MQA/FA0452)		• SPM/O-Level or equivalent – min. 5 credits • UEC – min. B in 3 subjects	

*English Language Requirements for Diploma and Degree programmes:
The applicants must have a minimum of
• IELTS 5.0 • MUET Band 3.5 • TOEFL 40(iBT)/7.5(Essentials) • PEARSON (PTE) 47 • Cambridge English 154 • ELS CIEP Level 107 or equivalent.

BACHELOR OF ELECTRICAL & ELECTRONICS ENGINEERING WITH HONOURS

KD (R2/523/6/0060)(10/28)(MQA/FA1882)

FULLY ACCREDITED | MICRO-CREDENTIALS | APEL. A/C | MOBILITY

Programme Modules

Year 1
- Engineering Mathematics I
- Circuits and Signals I
- Digital Electronics I
- Engineering Drawing
- Laboratory Investigations I
- Communication System
- Engineering Mathematics II
- Circuits and Signals II
- Analogue Electronics I
- Digital Electronics II
- Entrepreneurship Development
- Laboratory Investigations II

Year 2
- Engineering Statistics
- Programming in C ++
- Analogue Electronics II
- Electromagnetic Fields and Waves
- Measurement and Instrumentation
- Laboratory Investigations III
- Computational and Numerical Analysis
- Control Systems
- Power Electronics
- Microprocessor
- Environmental Management & Technology
- Laboratory Investigations IV

Year 3
- Computer Architecture
- Engineers and Society
- Electrical Power Generation
- Digital Signal Processing
- Electrical Machines & Drives
- Integrated Design Project I
- Embedded System
- Power System Analysis
- Project Management, Planning and Control
- Design of Electrical and Protection System
- Integrated Design Project II
- Industrial Training (12 weeks)

Year 4
- Electrical Energy Utilisation
- Electronic Drives & Application
- Safety & Risk Engineering
- Final Year Project
- High Voltage Engineering
- Electronics System Analysis and Design

Elective
- Advanced Microprocessor
- Electrical Installation and Practices
- Energy Conversion
- PLC & SCADA

MPU
- Penghayatan Etika dan Peradaban *
- Bahasa Melayu Komunikasi 2 **
- Philosophy and Current Issues ***
- Co-Curriculum: Sustainability Thinking ***
- Integrity and Anti-Corruption ***
- Bahasa Kebangsaan A ****

* Local Students
** International Students
*** Local & International Students
**** Local Students without SPM BM credit/without SPM BM

SUSTAINABLE DEVELOPMENT GOALS

1. No Poverty
4. Quality Education
6. Clean Water And Sanitation
7. Affordable And Clean Energy
8. Decent Work And Economic Growth
9. Industry, Innovation And Infrastructure
11. Sustainable Cities And Communities
12. Responsible Consumption And Production
13. Climate Action
14. Life Below Water
15. Life On Land

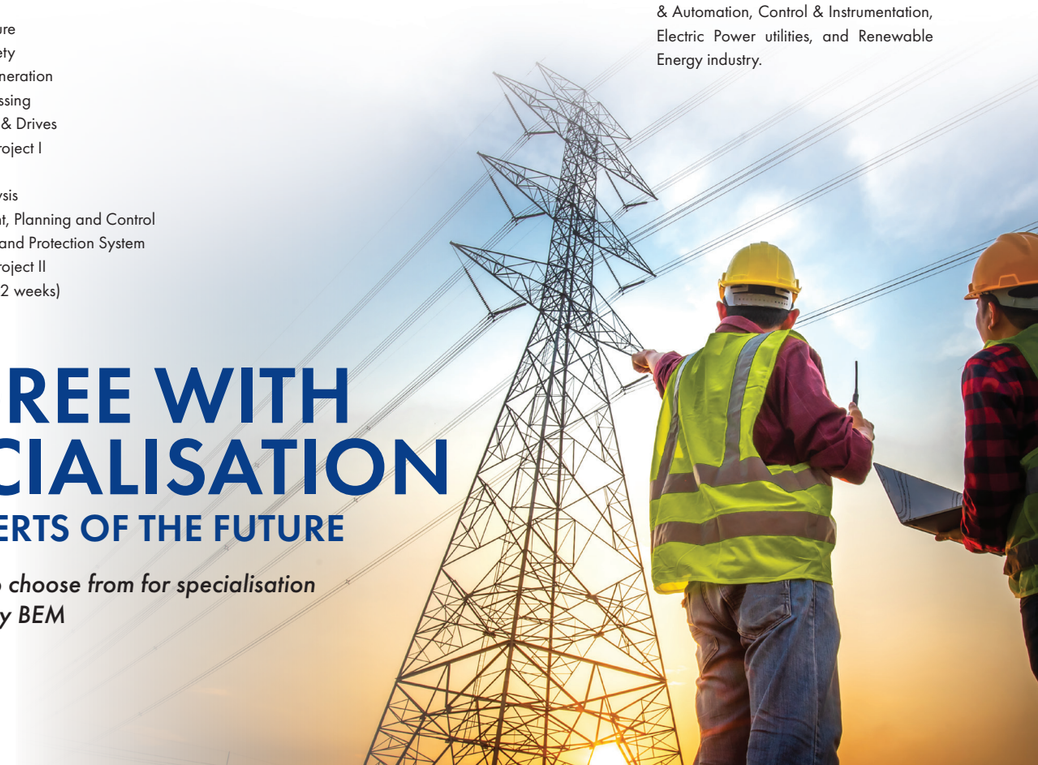
9 PILLARS OF TECHNOLOGICAL ADVANCEMENT
A. Advanced Robotics
C. Horizontal & Vertical Integration
D. Industrial Internet of Things
G. Additive Manufacturing
I. Big Data Analytics

Mode of Study
- Full time
- Weekend

Career Opportunities
As graduates of the Bachelor of Electrical & Electronics Engineering with Honours programme, you will have a wide choice of careers in sectors including IoT, robotics & Automation, Control & Instrumentation, Electric Power utilities, and Renewable Energy industry.

DEGREE WITH SPECIALISATION
FOR EXPERTS OF THE FUTURE

- *4 Electives to choose from for specialisation*
- *Accredited by BEM*



BACHELOR OF CHEMICAL ENGINEERING WITH HONOURS

KD (R2/524/6/0011)(06/29)(MQA/FA1275)

FULLY ACCREDITED | MICRO-CREDENTIALS | APEL. A/C | MOBILITY

Programme Modules

Year 1
- Mass and Energy Balances
- Physical and Organic Chemistry
- Engineering Mathematics I
- Engineering Drawing
- Material Science
- Chemical Engineering Laboratory I
- Fluid Mechanics
- Thermodynamics
- Strength of Materials
- Engineering Mathematics II
- Project Year I
- Chemical Engineering Laboratory II

Year 2
- Heat and Mass Transfer
- Separation Processes I
- Computational and Numerical Analysis
- Computer Aided Chemical Engineering
- Electrical Technology
- Chemical Engineering Laboratory III
- Chemical Engineering Thermodynamics
- Particle Technology
- Separation Processes II
- Engineering Statistics
- Chemical Engineering Laboratory IV
- Project Year II

Year 3
- Process Control and Instrumentation
- Separation Processes III
- Chemical Reaction Engineering
- Environmental Management and Technology
- Chemical Engineering Laboratory V
- Biochemical Engineering Principles
- Chemical Process Safety
- Project Management and Economics
- Transport Phenomena
- Engineers and Society
- Project Year III
- Industrial Training (12 weeks)

Year 4
- Process and Plant Design
- Design Project I
- Research Methodology
- Entrepreneurship
- Fuel and Energy Utilization
- Safety & Risk Engineering
- Research Project
- Design Project II

Elective
- Water and Wastewater Engineering
- Bio-separation: Recovery Processes
- Solid Waste Engineering
- Bioreactor Engineering Design

MPU
- Penghayatan Etika dan Peradaban *
- Bahasa Melayu Komunikasi 2 **
- Philosophy and Current Issues ***
- Co-Curriculum: Sustainability Thinking ***
- Integrity and Anti-Corruption ***
- Bahasa Kebangsaan A ****

SUSTAINABLE DEVELOPMENT GOALS

6. Clean Water And Sanitation
7. Affordable And Clean Energy
8. Decent Work And Economic Growth
9. Industry, Innovation And Infrastructure
11. Sustainable Cities And Communities
12. Responsible Consumption And Production
13. Climate Action

9 PILLARS OF TECHNOLOGICAL ADVANCEMENT

A. Advanced Robotics
C. Horizontal & Vertical Integration
D. Industrial Internet of Things
G. Additive Manufacturing
I. Big Data Analytics

Mode of Study
- Full time
- Weekend

Career Opportunities

Chemical engineering offers a broad range of career opportunities in a variety of sectors: Oil & Gas, Chemical Industries, Food & Beverages, Environmental & Sustainable Development, Energy Management, Manufacturing, Pharmaceutical/healthcare and Semiconductor industries.

* Local Students
** International Students
*** Local & International Students
**** Local Students without SPM BM credit/without SPM BM

SUSTAINABLE INNOVATIONS FOR A BETTER TOMORROW THROUGH CHEMICAL ENGINEERING

- *Incorporation of SDGs & ESG focused principles in chemical engineering syllabus, which includes SDG 6, 7, 8, 9, 11, 12 & 13.*
- *Comprehensive exposure to industrial and IR4.0 driven projects, guided by external industry professional engineers*
- *Accredited by BEM*

DESIGNED & DELIVERED

BY ENGINEERS FOR ENGINEERS

- *Taught by professional engineers registered with BEM*
- *Lecturers with consultancy & research experience*
- *Accredited by BEM*

BACHELOR OF CIVIL ENGINEERING WITH HONOURS

KD (R2/526/6/0070)(06/26)(MQA/FA9354)

FULLY ACCREDITED | MICRO-CREDENTIALS | APEL. A/C | MOBILITY

Programme Modules

Year 1
- Engineering Mathematics I
- Statics and Dynamics
- Construction Materials
- Engineering Drawing
- Soil Mechanics I
- Programme Methodology & Problem Solving
- Engineering Mathematics II
- Fluid Mechanics
- Mechanics of Materials
- Engineering Surveying

Year 2
- Construction Technology
- Engineering Statistics
- Structural Analysis I
- Hydraulics
- Soil Mechanics II
- Computational and Numerical Analysis
- Construction Project Management
- Hydrology
- Estimating & Costing of Buildings
- Building Information Modelling (BIM)
- Entrepreneurship

Year 3
- Design of Reinforced Concrete Structures I
- Highway Engineering
- Structural Analysis II
- Geotechnics
- Design of Steel and Timber Structures
- Design of Reinforced Concrete Structures II
- Water Resources & Supply Engineering
- Engineering Applications and Analysis
- Engineers & Society
- Conceptual Design
- Industrial Training (12 weeks)

Year 4
- Environmental Management & Technology
- Safety & Risk Engineering
- Foundation Design
- Integrated Project
- Project and Research Methods
- Traffic and Transportation Engineering

Elective
- Hydraulic Structures
- Design of Earth Retaining Structures
- Advanced Reinforced Concrete Design
- Concrete Technology
- Design of Steel Structures II

MPU
- Penghayatan Etika dan Peradaban *
- Bahasa Melayu Komunikasi 2 **
- Philosophy and Current Issues ***
- Co-Curriculum: Sustainability Thinking ***
- Integrity and Anti-Corruption ***
- Bahasa Kebangsaan A ****

* Local Students
** International Students
*** Local & International Students
**** Local Students without SPM BM credit/without SPM BM

SUSTAINABLE DEVELOPMENT GOALS

6. Clean Water And Sanitation
8. Decent Work And Economic Growth
9. Industry, Innovation And Infrastructure
11. Sustainable Cities And Communities
12. Responsible Consumption And Production
13. Climate Action

9 PILLARS OF TECHNOLOGICAL ADVANCEMENT

A. Advanced Robotics
C. Horizontal & Vertical Integration
D. Industrial Internet of Things
H. Supply Chain

Mode of Study
- Full time

Career Opportunities

As civil engineers, your career opportunities are vast and varied, depending on your area of specialisation and interest. Your potential employers include local and international consulting firms, construction companies and research institutions, as well as all levels in government.

BACHELOR OF MECHANICAL ENGINEERING WITH HONOURS

KD (R2/521/6/0146)(10/27)(MQA/FA12419)

FULLY ACCREDITED | MICRO-CREDENTIALS | APEL. A/C | MOBILITY

Programme Modules

Year 1
- Engineering Mathematics 1
- Engineering Drawing
- Fundamental Engineering Mechanics
- Programming in C++
- Electrical and Electronic Circuits and Applications
- Engineering Mathematics 2
- Advanced Engineering Drawing
- Thermodynamics
- Engineering Materials
- Manufacturing Processing & Technology

Year 2
- Engineering Statistics
- 3D Engineering Design and Modelling
- Engineering Mechanics
- Fluid Mechanics
- Solid Mechanics
- Computational and Numerical Analysis
- 3D Engineering Design Analysis
- Measurement and Instrumentation
- Design of Machine Elements
- Heat Transfer

Elective
- Thermal Management in Product Design
- Computational Fluid Dynamics
- 3D Printing Technology
- Advanced Manufacturing Technology
- PLC & SCADA
- Heat, Ventilation & Air Conditioning (HVAC)

Year 3
- Integrated Design Project I
- Manufacturing Systems Design
- Advanced Solid Mechanics
- Advanced Fluid Mechanics
- Engineers and Society
- Integrated Design Project II
- Advanced Engineering Materials
- Advanced Thermodynamics
- Electrical Machines
- Vibrations
- Entrepreneurship
- Industrial Training (12 weeks)

Year 4
- Final Year Project
- Project Management, Planning and Control
- Safety and Risk Engineering
- Finite Element Analysis
- Control and System Engineering
- Environmental Management and Technology

MPU
- Penghayatan Etika & Peradaban *
- Bahasa Melayu Komunikasi 2 **
- Philosophy and Current Issues ***
- Integrity and Anti-Corruption ***
- Integrity and Anti-Corruption ****
- Bahasa Kebangsaan A ****
- Co-curriculum: Sustainability Thinking ***

* Local Students
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SUSTAINABLE DEVELOPMENT GOALS
6. Clean Water And Sanitation
7. Affordable And Clean Energy
8. Decent Work And Economic Growth
9. Industry, Innovation And Infrastructure
11. Sustainable Cities And Communities
12. Responsible Consumption And Production
13. Climate Action

9 PILLARS OF TECHNOLOGICAL ADVANCEMENT
A. Advanced Robotics
B. Simulation & Augmented Reality
C. Horizontal & Vertical Integration
D. Industrial Internet of Things
G. Additive Manufacturing
I. Big Data Analytics

Mode of Study
- Full time

Career Opportunities
As graduates of the Mechanical Engineering, you will have the necessary knowledge and skills to play a major role in design, consultancy, management, and manufacturing in developing sustainable energy solutions and fighting climate change. Mechanical engineers are highly demanded in industries such as aerospace, automotive, renewable energy, and more.

BE AT THE FOREFRONT OF IR4.0 AND BEYOND

- *Lecturers with consultancy & research experience*
- *World-class facilities*
- *Accredited by BEM*

AI & IoT: ENGINEERING A CONNECTED FUTURE

- *Real-World Application*
- *Career Versatility & Global Opportunities*
- *Cutting-Edge Research*
- *Accredited by BEM*

BACHELOR OF MECHATRONICS ENGINEERING (HONOURS)

KD (N/0788/6/0007)(03/31)(MQA/PA17306)

MICRO-CREDENTIALS | APEL. A/C | MOBILITY

Programme Modules

Year 1
- Engineering Mathematics 1
- Engineering Drawing
- Electrical and Electronic Circuits and Applications
- Digital Electronics I
- Fundamental Engineering Mechanics
- Engineering Mathematics 2
- Advanced Engineering Drawing
- Programming in C++
- Analogue Electronics I
- Manufacturing Processing & Technology

Year 2
- Engineering Statistics
- 3D Engineering Design and Modelling
- Measurement and Instrumentation
- Engineering Mechanics
- Engineering Materials
- Computational and Numerical Analysis
- 3D Engineering Design Analysis
- Design of Machine Elements
- Power Electronics
- Thermodynamics

Year 3
- Integrated Design Project I
- Engineers and Society
- Control Systems
- Microprocessor
- Solid Mechanics
- Integrated Design Project II
- Safety and Risk Engineering
- Electrical Machines & Drives
- Vibration
- Fluid Mechanics
- Industrial Training (12 weeks)

Year 4
- Final Year Project 1
- Project Management, Planning and Control
- Embedded System
- Manufacturing Systems Design
- Final Year Project 2
- Environmental Management and Technology
- Electronic Drives & Application

Elective
- Artificial Intelligence
- Finite Element Analysis
- Introduction to IoT
- Machine Vision and Image Processing
- PLC & SCADA
- Robotic and Automation

MPU
- Penghayatan Etika dan Peradaban *
- Bahasa Melayu Komunikasi 2 **
- Philosophy and Current Issues ***
- Co-Curriculum: Sustainability Thinking ***
- Integrity and Anti-Corruption ***
- Bahasa Kebangsaan A ****

* Local Students
** International Students
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SUSTAINABLE DEVELOPMENT GOALS
1. No Poverty
4. Quality Education
7. Affordable And Clean Energy
8. Decent Work And Economic Growth
9. Industry, Innovation And Infrastructure
10. Reduced Inequalities
11. Sustainable Cities And Communities
12. Responsible Consumption And Production
13. Climate Action
15. Life On Land
16. Peace, Justice And Strong Institutions
17. Partnerships For The Goals

9 PILLARS OF TECHNOLOGICAL ADVANCEMENT
A. Advanced Robotics
B. Simulation & Augmented Reality
C. Horizontal & Vertical Integration
F. Cloud
H. Supply Chain
I. Big Data Analytics

Mode of Study
- Full time

Career Opportunities
SEGi's Mechatronics Engineering graduates are prepared for diverse careers like Mechatronics Engineer, Automation Engineer, Robotics Engineer, IoT Systems Engineer, Automotive Engineer, Aerospace Engineer, Consumer Electronics Engineer, Research Engineer, Academic/Lecturer, Entrepreneur/Startup Founder, and Sustainability/Environmental Engineer. With expertise in IoT, AI, and digital technologies, they can take on leadership roles, drive innovation, pursue design, development, research, establish startups, and contribute to sustainable solutions.

EXCELLENCE & QUALITY

RECOGNISED BY THE INDUSTRY

- *Fully accredited by the Board of Quantity Surveyors Malaysia (BQSM), Royal Institution of Chartered Surveyors (RICS) & Pacific Association of Quantity Surveyors (PAQS)*
- *Focused on critical analytical skills & value engineering*
- *Taught by lecturers with industry experience*

BACHELOR OF SCIENCE (HONS) QUANTITY SURVEYING

KD (R2/0734/6/0016)(03/30)(MQA/FA1239)

FULLY ACCREDITED | MICRO-CREDENTIALS | APEL. A/C | MOBILITY

Programme Modules

Year 1
- Construction Materials
- Building Construction I
- Building Services I
- Basic Drawing And Autocad
- Principle of Economics
- Basic Architectural and Engineering Design
- Introduction to Measurement of Buildings Works
- Quantity Surveying Practice I
- Building Construction II
- Construction Economics I
- Geomatic Engineering

Year 2
- Measurement of Building Works I
- Tendering and Estimating
- Building Services II
- Quantity Surveying Practice II
- Legal Studies I
- Measurement of Building Works II
- Civil and Infrastructures Construction Works
- Information Communication Technology (ICT)
- Legal Studies II
- Construction and Project Management
- Business and Professional Ethics

Year 3
- Measurement of Civil Engineering Works
- Construction Economics II
- Quantity Surveying Practice III
- Data Analysis and Statistic
- Quantification and Computerisation
- Dissertation I
- Legal Studies III
- Value Engineering and Management
- Integrated Project
- Dissertation II
- Financial Commercial Management
- Industrial Training

MPU
- Penghayatan Etika dan Peradaban *
- Bahasa Melayu Komunikasi 2 **
- Philosophy and Current Issues ***
- Co-Curriculum: Sustainability Thinking ***
- Integrity and Anti-Corruption ***
- Bahasa Kebangsaan A ****

* Local Students
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**** Local Students without SPM BM credit/without SPM BM

SUSTAINABLE DEVELOPMENT GOALS

1. No Poverty
4. Quality Education
6. Clean Water And Sanitation
7. Affordable And Clean Energy
8. Decent Work And Economic Growth
9. Industry, Innovation And Infrastructure
10. Reduced Inequalities
11. Sustainable Cities And Communities
12. Responsible Consumption And Production
13. Climate Action
14. Life Below Water
15. Life On Land
16. Peace, Justice And Strong Institutions
17. Partnerships For The Goals

9 PILLARS OF TECHNOLOGICAL ADVANCEMENT

A. Advanced Robotics
B. Simulation & Augmented Reality
C. Horizontal & Vertical Integration
F. Cloud
H. Supply Chain
I. Big Data Analytics

Mode of Study

- Full time

Career Opportunities

Quantity Surveyor, Contract and Cost Administrator, Property and Commercial Executive, Procurement Advisor & Contract Executive/Project Executive are some of the possible employment prospects for QS graduates.

BACHELOR OF ARTS (HONS) IN INTERIOR ARCHITECTURE

KD (R2/0731/6/0008)(05/32)(MQA/FA1340)

FULLY ACCREDITED | APEL. A/C | MOBILITY

Programme Modules

Year 1
- Fundamental of Interior Architecture
- Architecture Principles and Communication
- Building Construction 1
- Building Services 1
- Software Application for Design
- Residential Design
- Architecture History 1
- Architecture Graphic
- Building Services 2
- Interior Material and Furnishing
- Building Construction 2

Year 2
- Commercial Design
- Architecture History 2
- AutoCAD in Interior Design
- Environmental Psychology
- Furniture Design Workshop
- Advanced Interior Design 1
- Lighting Design
- Construction Contract Law
- Specifications and Contract Documentation
- Advanced Computer Modelling

Year 3 (18 months)
- Advanced Interior Design 2
- Project and Construction Management
- Professional Practice for Interior Design
- Research Methods
- Business Ethic
- Design Project
- Thesis
- Industrial Training
  (6 months - to be completed before the Final semester)

MPU
- Penghayatan Etika dan Peradaban *
- Bahasa Melayu Komunikasi 2 **
- Philosophy and Current Issues ***
- Co-Curriculum: Sustainability Thinking ***
- Integrity and Anti-Corruption ***
- Bahasa Kebangsaan A ****

* Local Students
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SUSTAINABLE DEVELOPMENT GOALS

3. Good Health And Well-Being
4. Quality Education
5. Gender Equality
7. Affordable And Clean Energy
9. Industry, Innovation And Infrastructure
11. Sustainable Cities And Communities
12. Responsible Consumption And Production

9 PILLARS OF TECHNOLOGICAL ADVANCEMENT

B. Simulation & Augmented Reality

Mode of Study

- Full time

Career Opportunities

A degree in interior architecture and design will equip you with the specific creative and technical skills you'll need to succeed in the field. Career opportunities are vast and varies from Technical Assistant, Junior Designer, Interior Designer, Interior Architect, Interior and Spatial Designer, Furniture Designer, Set & Exhibition Designer to Lighting and Colour Consultant and Project Manager.

INTERIOR ARCHITECTURE

DEGREE FOR A SUSTAINABLE FUTURE

- *Taught by lecturers with industry experience*
- *Recognised by Board of Architects, Malaysia*
- *Subjects for the future: Sustainability & Green Technology*

HIGHLY FOCUSED ON
PRACTICAL & SUSTAINABLE ARCHITECTURE

- *Accredited by Board of Architects, Malaysia*
- *Subjects for the future: Sustainability & Green Technology*
- *Led By Lecturers With Real-World Industry Experience*
- *Programme Shaped With Market Driven Skills, Industry Focused Experience*

BACHELOR OF SCIENCE (HONS) ARCHITECTURE

KD (R/0731/6/0015)(11/26)(MQA/FA8425)

FULLY ACCREDITED | APEL. A/C | MOBILITY

Programme Modules

Year 1
- Design Studio 1
- Architectural Graphics
- Building Materials
- Architecture History 1
- Environmental Science 1
- Design Studio 2
- Architectural Communication
- Architecture History 2
- Building Construction 1
- Environmental Science 2

Year 2
- Design Studio 3
- Building Construction 2
- Basic CAD
- Building Services 1
- Structure 1
- Advanced CAD
- Design Studio 4
- Asian Architecture
- Structure 2
- Working Drawing

Year 3
- Design Studio 5
- Building Services 2
- Building Information Modelling
- Measured Drawing
- Industrial Training
- Design Studio 6
- Professional Studies
- Construction Project Management
- Sustainable Building Design

MPU
- Penghayatan Etika dan Peradaban *
- Bahasa Melayu Komunikasi 2 **
- Philosophy and Current Issues ***
- Co-Curriculum: Sustainability Thinking ***
- Integrity and Anti-Corruption ***
- Bahasa Kebangsaan A ****

* Local Students
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LEMBAGA ARKITEK MALAYSIA

SUSTAINABLE DEVELOPMENT GOALS

3. Good Health And Well-Being
7. Affordable And Clean Energy
9. Industry, Innovation And Infrastructure
11. Sustainable Cities And Communities
13. Climate Action
14. Life Below Water
15. Life On Land

9 PILLARS OF TECHNOLOGICAL ADVANCEMENT

B. Simulation & Augmented Reality
C. Horizontal & Vertical Integration

Mode of Study
- Full time

Career Opportunities
Assistant Architect, Technical Assistant, CAD Operator, Construction Supervisor, 3D Visualizer, Graphic Artist, Creative Designer, BIM Coordinator, Model Maker.

DIPLOMA IN MECHANICAL ENGINEERING

SJ (R3/521/4/0014) (03/27) (A 7749)

FULLY ACCREDITED | MICRO-CREDENTIALS | APEL. A/C | MOBILITY

Programme Modules

Year 1
- Engineering Mathematics 1
- Foundation Physics
- Engineering Drawing
- Principles of Electronics and Electrical Engineering
- Applied Digital Skills
- Academic English
- Programming Methodology and Problem Solving
- Engineering Mathematics 2
- Engineering Statics
- Material Engineering
- Thermodynamics
- Fluid Mechanics

Year 2
- Mechanics of Material 1
- Manufacturing Technology
- Applied Thermodynamics
- Applied Fluid Mechanics
- Elective
- Industry Revolution 4.0 in Malaysia
- Final Year Project 1
- Mechanics of Material 2
- Engineering Dynamics
- Heat Transfer
- Industrial Management
- Machine Design
- Final Year Project 2
- 3D Design Process

Year 3
- Internship

Elective
- Digital Marketing
- Technopreneurship

MPU
- Penghayatan Etika dan Peradaban *
- Bahasa Melayu Komunikasi 2 **
- Philosophy and Current Issues ***
- Co-Curriculum: Sustainability Thinking ***
- Integrity and Anti-Corruption ***
- Bahasa Kebangsaan A ****

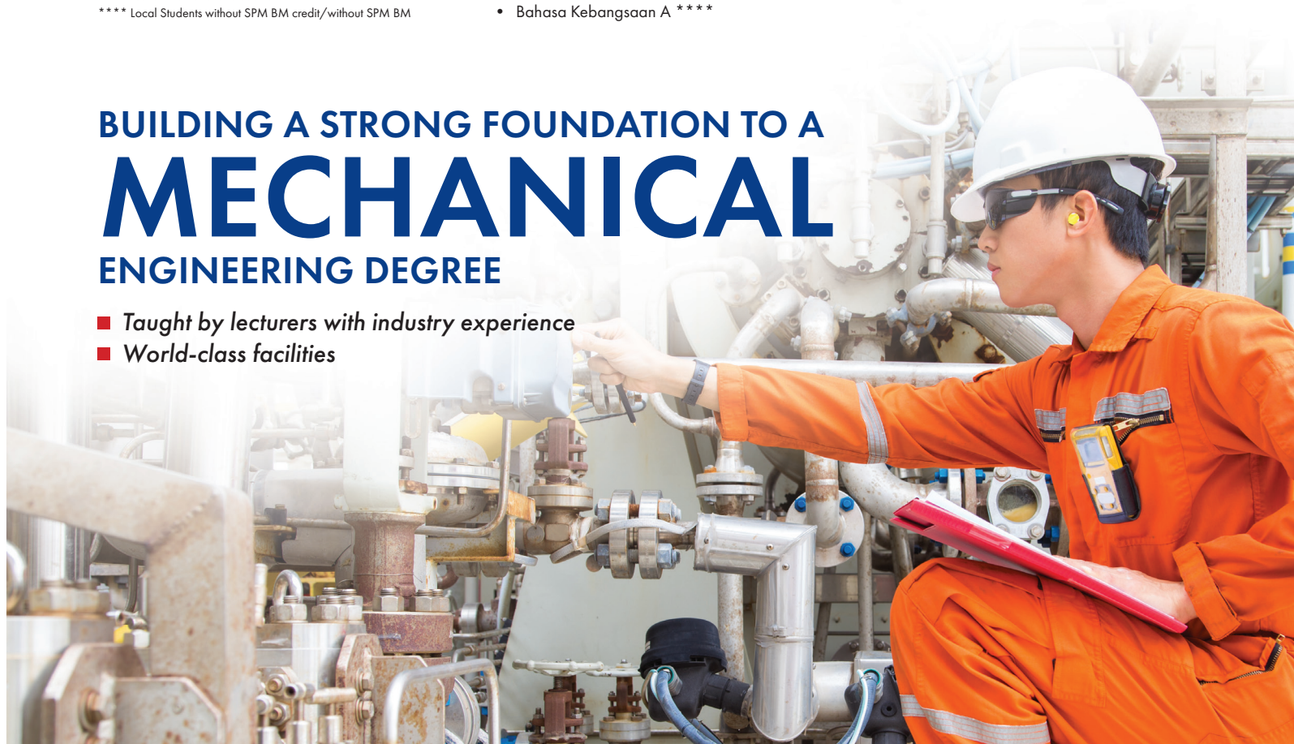
* Local Students
** International Students
*** Local & International Students
**** Local Students without SPM BM credit/without SPM BM

Mode of Study
- Full time
- Weekend

Career Opportunities
Possible job titles relevant to this qualification include: CAD Application Engineer, Trainee Engineer, Trainee Design Engineer, Mechanical Engineer, Design Engineer, Draughts Person and Structural Engineer.

BUILDING A STRONG FOUNDATION TO A MECHANICAL ENGINEERING DEGREE

- *Taught by lecturers with industry experience*
- *World-class facilities*



BUILDING A
STRONG FOUNDATION
TO AN E&E DEGREE

- *Taught by lecturers with industry experience*
- *E&E labs and simulation equipment*

DIPLOMA IN ELECTRICAL AND ELECTRONIC ENGINEERING

SJ (R3/0712/4/0006)(11/27)(MQA/FA2829) • PG (R2/523/4/0103) (01/28) (MQA/FA2301)

FULLY ACCREDITED | MICRO-CREDENTIALS | APEL. A/C | MOBILITY

Programme Modules

Year 1
- Engineering Mathematics 1
- Foundation Physics
- Engineering Drawing
- Principles of Electronics and Electrical Engineering
- Applied Digital Skills
- Academic English
- Programming Methodology and Problem Solving
- Engineering Mathematics 2
- Digital Electronics
- Circuit Theory and Electro-Magnetic Field
- Analogue Electronics
- Instrumentation and Measurement
- Microprocessors and Microcontrollers

Year 2
- Applied Mathematics
- Control System
- Introduction to Robotics and Industrial Simulation
- Electrical Machines
- Microelectronics
- Final Year Project 1
- Communication System
- Power System
- Industrial Management
- Final Year Project 2

Year 3
- Internship

Elective
- Digital Marketing
- Technopreneurship

MPU
- Penghayatan Etika dan Peradaban *
- Bahasa Melayu Komunikasi 2 **
- Philosophy and Current Issues ***
- Co-Curriculum: Sustainability Thinking ***
- Integrity and Anti-Corruption ***
- Bahasa Kebangsaan A ****

* Local Students
** International Students
*** Local & International Students
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Mode of Study
- Full time
- Weekend

Career Opportunities
As graduates of the Diploma in Electrical and Electronic Engineering, you are able to pursue a variety of job roles. Possible job titles relevant to this qualification include: Electrical Engineering Technical Officer, Technologist, Design Specialist, Assistant Engineer.

DIPLOMA IN INTERIOR ARCHITECTURE

SJ (R3-TVET/0731/4/0013)(11/27)(TVET/QF14618))

FULLY ACCREDITED | MICRO-CREDENTIALS | APEL. A/C | MOBILITY

Programme Modules

Year 1
- 2 & 3 Dimensional Design
- Colour Studies
- Fundamental Photography
- Architectural Drafting
- Interior Architecture 1
- Material & Finishes
- Digital Graphic
- General Language Training
- Interior Architecture 2
- AutoCAD Studies
- Building Construction
- Workshop Practice

Year 2
- Computer 3D Modelling
- History of Architecture
- Lighting Design
- Academic English
- Interior Architecture 3
- Furniture Design
- Design Methods
- Portfolio Preparation
- Industrial Training

Year 3
- Interior Architecture 4

MPU
- Penghayatan Etika dan Peradaban *
- Bahasa Melayu Komunikasi 2 **
- Philosophy and Current Issues ***
- Co-Curriculum: Sustainability Thinking ***
- Integrity and Anti-Corruption ***
- Bahasa Kebangsaan A ****

* Local Students
** International Students
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**** Local Students without SPM BM credit/without SPM BM

in collaboration with

mid
Pertubuhan Perekabentuk Dalaman Malaysia

Mode of Study
- Full time
- Weekend

Career Opportunities
Interior architect, interior designer, interior consultant, retail & commercial designer, residential designer, lighting & furniture designer.

DESIGNED FOR
VERSATILE SPACE DESIGNERS
OF THE FUTURE

- *Strong industry partnerships & linkages*
- *Award winning alumni & lecturers*
- *Practical & hands-on learning*

CERTIFICATE IN WELDING TECHNOLOGY

KD (N/0714/9/0001)(12/29)(MQA/PA17657)

PROVISIONALLY ACCREDITED

Programme Modules

Year 1

- Mathematics
- Professional Development
- Fillet Weld: Flat & Horizontal
- Fillet Weld: Vertical & Overhead
- Butt Welding Techniques
- Groove Weld: Flat & Horizontal
- Entrepreneurship
- Sciences
- Groove Weld: Vertical Uphill
- Groove Weld: Vertical Downhill
- Groove Weld: Overhead

Year 2

- Personal Development and Communication Skills
- Pipe Welding: Fixed Horizontal Uphill
- Pipe Welding: Fixed Horizontal Downhill
- Pipe Welding: 6G Position (Uphill)
- Pipe Welding: 6G Position (Downhill)
- Industrial Training

Mode of Study

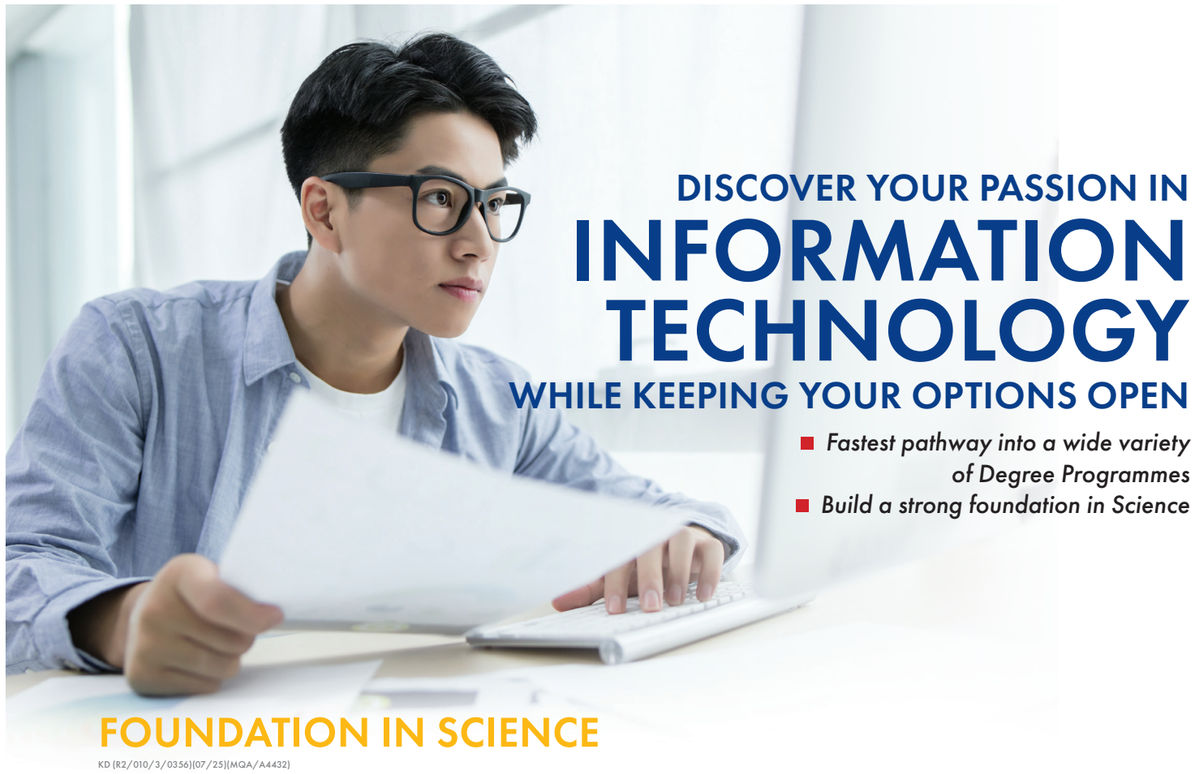
- Full time
  (18 months, including industrial training)
- Intakes: February & September.

Career Opportunities

Graduates can pursue various roles, including: Welder, Welding Technician, Quality Control Inspector, Non-Destructive Testing (NDT) Specialist, Fabrication Supervisor

FORGE YOUR FUTURE WITH WELDING EXPERTISE

- *Your gateway to mastering cutting-edge welding techniques*
- *Hands-on training designed to ignite your career*
- *Build the skills to shape industries, one weld at a time*



DISCOVER YOUR PASSION IN

INFORMATION TECHNOLOGY

WHILE KEEPING YOUR OPTIONS OPEN

- *Fastest pathway into a wide variety of Degree Programmes*
- *Build a strong foundation in Science*

FOUNDATION IN SCIENCE

KD (R2/010/3/0356)(07/25)(MQA/A4432)

Programme Modules

Year 1

- Chemistry 1
- Mathematics 1
- Chemistry 3
- Mathematics 3
- Academic English
- Computer Application
- Chemistry 2
- Mathematics 2
- Elective 1*
- Elective 2*
- Elective 3*
- Elective 4*
- Elective 5*

Elective (by Specialisation)*

General

- Biology 1
- Physics 1
- Biology 2
- Physics 2
- Physics 3

Health Sciences

- Biology 1
- Public Speaking
- Biology 2
- Information Technology
- Introduction to Patient Care

Engineering

- Physics 1
- Public Speaking
- Physics 2
- Information Technology
- Physics 3

* Electives are subject to change without prior notice.
* Students intending to articulate into the Health Sciences degree programmes will have a choice to take either General or Health Sciences Pathway.
* Students intending to articulate into Engineering degree programmes will have a choice to take either General or Engineering Pathway.

FOUNDATION IN SCIENCE

SJ (R3/0011/3/0083)(04/28)(A7755)

Programme Modules

- Chemistry I
- Mathematics I
- Physics I
- Biology I
- English I
- Chemistry II
- Mathematics II
- Physics II
- Basic Information and Communication Technologies (ICT)
- English II
- Chemistry III
- Engineering Mathematics
- Physics III
- Biology II
- Biochemistry
- Thinking Skills

Why study this programme?

This qualification is specially designed for students with SPM, O-Level or equivalent qualifications. Upon successful completion of this programme, students may enrol in a range of health sciences or degree programmes engineering.

A FOUNDATION
WITH THE WIDEST PATHWAYS

- *Fastest pathway into a wide variety of Degree Programmes*
- *4 electives to choose from*

KD (R2/010/3/0406)(07/26)(MQA/FA0193); MQA/PA4175 N-DL/010/3/0025
SJ (R2/0011/3/0082)(07/26)(MQA/FA0452) • ODL (N-DL/010/3/0025)(02/26)(MQA/PA14175)

FOUNDATION IN ARTS

Programme Modules

Year 1

- General Language Training
- Computer Application
- Introduction to Business
- Mathematics
- Statistics
- Academic English
- Public Speaking
- Critical Thinking Skills
- Principles of Economics
- Elective 1
- Elective 2
- Elective 3
- Elective 4
- Elective 5

Electives

Business & Accounting

- Introduction to Financial Accounting
- Fundamental of Management
- Intercultural Communication
- Information Technology
- Introduction to Marketing

Communication Studies/ English & PR

- Interpersonal Communication
- Intercultural Communication
- Fundamental Photography
- Information Technology
- Introduction to Marketing

Information Technology

- Programming Methodology
- Interpersonal Communication
- Fundamental of Management
- Intercultural Communication
- Information Technology

Quantity Survey/Hospitality/ Education/Psychology

- Information Technology
- Interpersonal Communication
- Fundamentals of Management
- Introduction to Marketing
- Intercultural Communication

Creative Design/Architecture/ Interior Architecture

- Colour & Form
- Drawing Fundamentals
- Fundamental Photography
- Intercultural Communication
- Interpersonal Communication

Why study this programme?

This qualification is specially designed for students with SPM, O-Level or equivalent qualifications and who would like to pursue a bachelor's degree at the university. Upon successful completion of the Foundation in Arts programme, students may further their studies in a wide range of degree programmes depending on units completed during their studies. Students may be eligible to apply for advanced standing.

SEGi UNIVERSITY & COLLEGES'
IT & ENGINEERING PROGRAMMES ARE ALIGNED WITH THE 9 PILLARS OF INDUSTRIAL REVOLUTION 4.0

SUSTAINABLE DEVELOPMENT GOALS

9 PILLARS OF TECHNOLOGICAL ADVANCEMENT

Cybersecurity

Operation in networks and open systems

High level of networking between intelligent machines, products and systems

Autonomous Robot

Autonomous, cooperating industrial robots

Numerous integrated sensors and standardised interfaces

Additive Manufacturing

3D printing, particularly for spare parts and prototypes

Decentralised 3D facilities to reduce transport distances and inventory

Industrial Internet of Things

Network of machines and products

Multidirectional communication between networked objects

Cloud

Management of huge data volumes in open systems

Real-time communication for production systems

Horizontal Vertical Integration

Cross-company data integration based on data transfer standards

Precondition for a fully automated value chain (from supplier to customer, from management to shop floor)

Simulation & Augmented Reality

Augmented realty for maintenance, logistics and all kinds of SOP Simulation of value networks and Optimisation based on real-time data from intelligent systems

Big Data Analytics

Full evaluation of available data (e.g. from ERP, SCM, MES, CRM, and machine data)

Real-time decision-making support and optimisation

Supply Chain

The use of advanced robotics, and the application of advanced analytics of big data in supply chain management

Place sensors in everything, create networks everywhere, analyse everything to significantly improve performance and customer satisfaction

QS WORLD UNIVERSITY RANKINGS

QS Overall OUTSTANDING

SETARA

MyQUEST

SEGi University (100589-U)
603 6145 1777 011 1501 8838

SEGi College Kuala Lumpur (42114-V)
603 2070 2078 012 988 7482 1800 88 8028

SEGi College Subang Jaya (284515-V)
603 8600 1777 010 313 0303

SEGi College Penang (187620-W)
604 263 3888 013 629 4880

SEGi College Sarawak (172726-T)
6082 252 566 017 859 2566 1300 88 7344

SEGi University Regional Centre, Johor Bahru
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