



SEGi
Group of Colleges
INSPIRE • IGNITE • IMMERSE

INFORMATION TECHNOLOGY



Academic experts with industry experience

Collaboration with leading industry partners

State of the art facilities that inspires innovation

in collaboration with



**University of
Sunderland**

2018 /
2019



2016 /
2017



2014 /
2015



2010 /
2011



2012 /
2013



CHAMPIONING 3H TRANSFORMATIVE LEARNING

At SEGi, we champion the 3H Transformative Learning to cultivate future-proof graduates. The education of the Head, the Heart and the Hands is a holistic learning approach in transforming future leaders:



HEAD (Knowledge)

Providing the latest curriculum co-designed with international partner universities, local industry practitioners and experts, our proven teaching and learning process has seen over 130,000 graduates working in over 90 countries - ranging from successful entrepreneurs to high level executives and policymakers.



HEART (Attitude)

Being civic-minded and nurturing our students' heart have always been a big part of our curriculum. Throughout the programme, students are encouraged to organise and participate in Corporate Social Responsibility (CSR) projects to use what they have learnt to give back to the community.



HANDS (Skills)

Having the right technical skills will give our students an advantageous edge over their peers. We work hand-in-hand with industry partners to offer professional certifications so that our students have the right academic knowhow, and the relevant technical abilities to put what they have learnt into practice.

COLLABORATE WITH WORLD CLASS ICT COMPANIES

From desktops to laptops to PDAs, and mobile phones to satellite TVs and iPods, computing is everywhere, all around us, and in every part of our work and play.

Technology and its uses are limited only by the extent of our imagination. The continuing growth of the industry is becoming more and more prominent; hence, the demand for industry players are ever growing. Facebook, Twitter, Instagram and Youtube has become a common term due to the result of rapid technology growth.

The systems, software and hardware all have to be created by experts with in-depth knowledge and skills to design, develop and deliver technology that can be used to improve our lives.

The Information Technology industry is reshaping many aspects of the world's economies and structures of governments and societies. In developing countries, governments, businesses and the public are harnessing the transformative power of technology to make public services more efficient, to grow businesses and to strengthen and expand social networks.

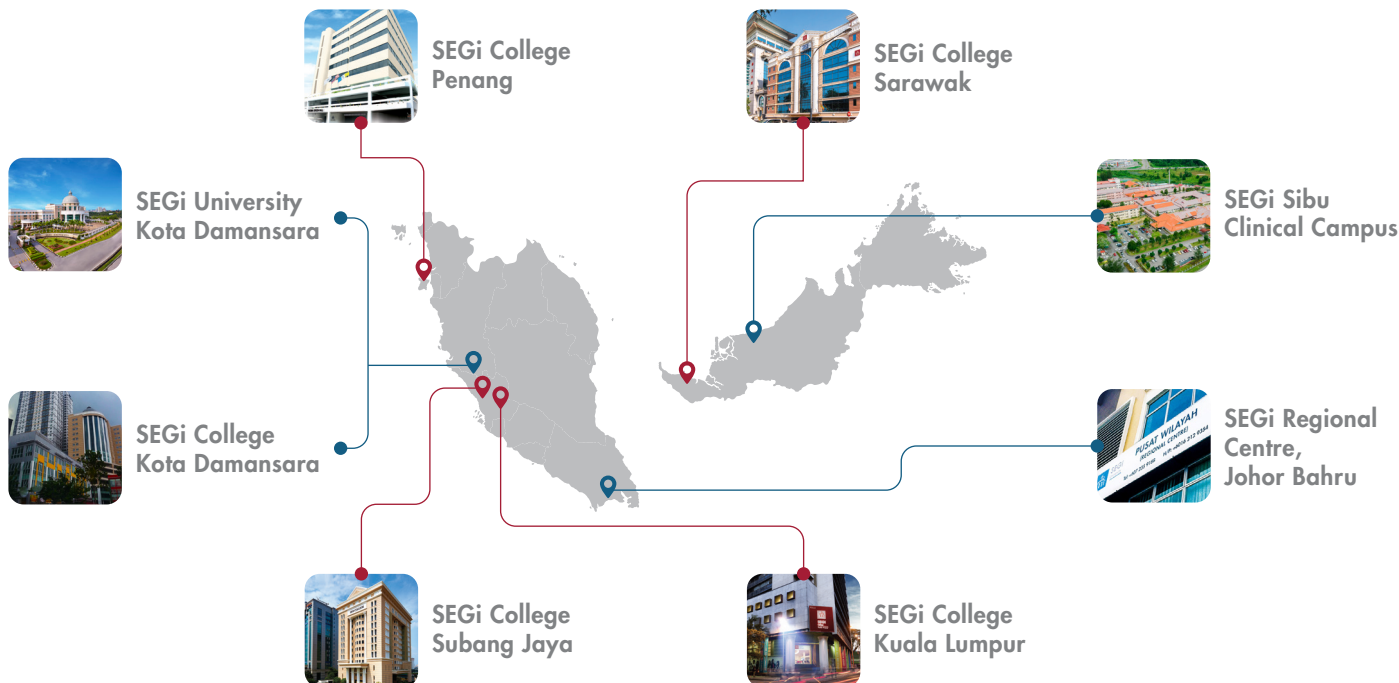
Technology has made an influential impact on the society today and is well paving the way for a future of possibilities.



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SEGi UNIVERSITY & COLLEGES



20,000
Students



778
Academics

10%
foreign faculty staff

614
Management & support staff

Quality education accredited and assured by Ministry of Education, Malaysia



Internal processes in compliance with international standards

ISO 9001:2015 Certified

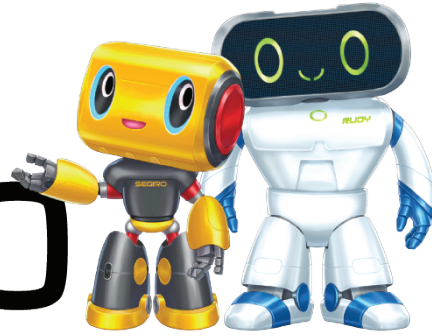


Cert no: MY14/05009



Cert no: MY14/01588

Towards iR4.0



REIMAGINE possibilities

Increasing the employability and marketability of graduates through the creation of new jobs and roles to meet tomorrow's industry needs.

RECOGNISE your potential

Unleashing the true nature of graduates and their ability to touch lives and make a significant impact on the community.

REDEFINE your future

Imbibing the idea of change as the only constant and creating a sustainable future through qualifications that matter.

REVOLUTIONISE the market

Introducing innovative programmes that are in tandem with the market's growth and direction.



Every student learns coding & IR4.0 relevant subjects



Inter-faculty assignments to develop cross-disciplinary skills



Cyber physical classrooms & learning



Multi-million Ringgit learning management software



Over 600 corporate partners & collaborations





WELL-BEING

- On-campus counsellors
- 24/7 accessibility to counselling services
- International office & student accommodation office



LEARN WHILE HAVING FUN

- Student Affairs Office
- Gym, E-Sports studio and extended facilities



PERSONAL DEVELOPMENT & GROWTH

- Personal Professional Development Programme
- Career Development Centre



STUDENT MOBILITY PROGRAMME

- Cross-campus experiences
- Option to transfer overseas

BEYOND EDUCATION

LEARNING WITH SEGi



ACADEMIC SUCCESS

- Student Success Centre
- 24/7 Online learning portal (Blackboard & E-libraries)
- Free applications & tools (Microsoft 365, Adobe, AutoCount)



BRINGING THE WORLD TO YOU

PARTNER UNIVERSITIES

7



University of Greenwich (UoG), UK

Modestly founded in 1890 as Woolwich Polytechnic, the University of Greenwich (UoG) has risen in the ranks since it gained university status in 1992. A leader in the educational arena, the university has three campuses in South East London and Kent, and is a strong proponent of progressive learning, as is proven by its modern hi-tech facilities. Its 1,200 programmes include Law, Nursing, Business, and Engineering.

Acknowledged the world over as a leading provider of higher education according to the 2017 Teaching Excellence Framework (TEF), UoG is also the proud recipient of The Queen's Anniversary Prize for Higher and Further Education 2015, an award recognising the innovative research and development carried out by Greenwich's Natural Resources Institute within the Faculty of Engineering and Science.

- **QS World Ranking 701-750**
- **Times Higher Education World Ranking 601-800**
- **#1 Transnational University in UK** (Over 17,000 students in overseas campuses all around the world)
- Over 50% of Graduates received First Class Honours in the last 5 years
- Awarded **SILVER STATUS** by Teaching Excellence Framework (TEF)



University of Sunderland (UoS), UK

Established in 1901 as Sunderland Technical College, the University of Sunderland (UoS) is greatly praised as a prescient and innovative University with exemplary standards of teaching, research and support. Located in Sunderland in the North East of England, it gained its university status in 1992 and has since gained a reputation as a research-active university.

The University of Sunderland prides itself on holistic academic programmes as integral to its commitment of excellence to its students and to producing well-rounded graduates. The Guardian ranks its Hospitality, Event Management and Tourism programme as the 4th best in the country, while Nursing is ranked 5th best. Other highly ranked majors in the Guardian league tables are Business, Management and Marketing, Accounting and Finance, Mechanical Engineering, and Fashion and Textiles. Also, it was named University of the Year for Social Inclusion by The Times and Sunday Times Good University Guide 2021.

- **QS 5 Stars** (2019) in Teaching, Employability, Internationalisation, Inclusiveness & Outstanding Facilities
- Awarded **SILVER STATUS** by Teaching Excellence Framework (TEF)
- Recognised by the UK Government and the British Council for **innovative international activity**
- **UK's top 5** providers of transnational education
- Shortlisted for the **Times Higher Education University of the Year Award**

WHY STUDY COMPUTING OR INFORMATION TECHNOLOGY?

Do you see yourself designing and creating software systems? IT or computing might be the right course of study for you if you are thinking of becoming a manager or administrator to a technical enterprise, a degree in computer science or information and computer sciences could provide you with the background needed to achieve your goals. Here are 9 reasons why a computing or IT course is right for you!



It is a fast-growing sector

According to OpenGovAsia.com, the Information and Communication Technology (ICT) market in Malaysia is set to grow at a compound annual growth rate of 8.9% between 2019 to 2023 (ie. US\$16.5 billion to US\$25.2 billion in 2023). The sector has also seen a steady increase in its contribution towards Malaysia's GDP from 18.1% (RM213 billion) in 2015 to 19.1% (RM289 billion) in 2019.



Raising need for cloud computing and outsourcing services

Mobility, cloud computing, data analytics, storage, and business process outsourcing have been forecasted to be the 5 leading IT solution areas in terms of growth rate. Accelerated by the Pandemic, the Asia Pacific region has become one of the fastest-growing regions in terms of cloud computing. Countries like Singapore, Australia, India, Japan, China, and South Korea and consistently recording higher growth rates in cloud computing.



Government propelled growth

The Malaysian Government's Industry4WRD national policy aims to transform and digitalise the manufacturing sector and related services between 2018 to 2025. The 2020 Malaysian Economic Stimulus Package also provides strong incentives in digital transformation, connectivity and digital infrastructures for buildings. These policies are expected to lead to a mature digitalisation of the Malaysian market - do you see the opportunities awaiting?



The rise of Asia

China now hosts 26% of the world's unicorn startups, however, the country still relies heavily on imported core technologies from countries like Japan and South Korea. Meanwhile, Singapore intends to position itself as the "Silicon Valley of Asia" For IT and computing professionals seeking international career and entrepreneurial opportunities, which means there are opportunities virtually everywhere in Asia.



Asia towards Industrial Automation and AI

Deloitte consulting China believes that industrial automation and industrial AI are entering a fast development period in Asia. Companies have begun adopting AI and big data to generate fast, adaptive, and long-term strategies to maximise competitiveness.



High starting pay

Over the years, Malaysia has moved towards a highly sophisticated digital era where opportunities for online businesses that promise lucrative returns and career development have multiplied. No wonder the starting pay for Computer and Software Specialists averages between RM4,500 to RM6,000 per month, to put it into perspective, a fresh-grad doctor earns between RM3,000 to RM5,500!



Develop transferable skills

Critical thinking and problem-solving go hand in hand and will help you whether you work on debugging a programme. Analytical skills are especially useful for professionals who work with big data or algorithms and are looking for patterns or creating instructions. These soft skills are easily transferable and highly demanded in other sectors as well if you're looking for a career shift in the future!



High paying career

IT managers are among the top-paying jobs in the world. Responsible for protecting and securing a company's IT infrastructure and networks, they're among the most in-demand talents in the world with an average salary of USD142,000 per year.



Change the world

IT and Computing drive innovation in the sciences (human genome project, AIDS vaccine research, environmental monitoring, and protection just to mention a few), and also in engineering, business, entertainment, and education. Who knows one day, you'll be a part of the team that changes the world.



BRINGING INDUSTRY INTO CLASSROOMS

INDUSTRY AND SOFTWARE PARTNERSHIPS

Industry engagement is at the core of SEGi Group of Colleges' teaching philosophy. By partnering with the leading organisations and institutions, we bring the latest industry insights, in-demand skillsets and work-based learning into the classroom. Hence, positioning our graduates as a highly competitive and demanded IT and computing professional at the forefront of their field of expertise.

PARTNERS



SOFTWARES



STUDENT-CENTRIC, INDUSTRY DRIVEN LEARNING



EXPERIENCED EDUCATORS



TS. PRAKAS A/L GOPAL SAMY

Associate Dean, Joint Faculty for Engineering, SEGi Group of Colleges

Ts. Prakas is a Professional Technologist, graduated with MEng (Mechatronics) from the University of Malaya. He is also a PhD candidate at the University of Malaya performing research in Control Systems (Engineering & Engineering Trades). Ts Prakas has 11 years of working experience in the Engineering field as an Engineer and Lecturer. He affiliates with the Institution of Engineering and Technology (IET), Board of Engineers Malaysia (BEM), Malaysian Board of Technologists (MBOT), and The Institution of Engineers Malaysia (IEM).



HAZLINA BINTI HARON

Lecturer

Ms Hazlina is an IT lecturer, graduated with Msc. of Science (Computer Science) from Universiti Putra Malaysia (UPM) and Bachelor of Information Technology (Hons) from Universiti Utara Malaysia (UUM). She has 10 years of industrial experience as a Software Engineer and Assistant Manager from Telekom Applied Business Sdn Bhd and Telekom Malaysia Berhad. She then switched her career path into education line with 13 years of experience as an IT lecturer from both public and private university/colleges. Her specialisations are in System Development Framework & Methodology, Database Management System, Information Analysis and Big Data Analytics.

EXPERIENCED EDUCATORS



MANIBELEN RATNASAMY
Head, School of Computing and Technology

Accomplished Information Technology expert with extensive background in Highly Automated Information Technology / Factory Information Systems / Computer Integrated Manufacturing (CIM), IT Business Solutions, Systems Analysis and Design, Support, Installation, IT / Network Infrastructure and Factory Automation.

His prior industry experience includes a on year on-the-job training at LSI Logic Gresham Portland, USA, involvement in a Technology Transfer programme in Limavady, Northern Ireland. He was also involved in the setup of the world's largest substrate Seagate Hard Disk manufacturing plant in Skudai, Johor. Highly experienced in planning, building and managing number of Data Centers for large high volume manufacturing facilities in Malaysia including Silterra Fab 200mm Semiconductor in Kulim Hi-Tech, Seagate hard disk manufacturing in Johor and MEMC 200mm semiconductor in Ipoh and KL.

He is currently involved in conducting IR 4.0 related such as Big Data and Technology, Python Programming and SAS Base Programming training.



THAVAMALAR A/P THAVARAJALTNAM
Senior Lecturer

Ms Thavamalar has more than 29 years of teaching and training experience. She has taught computing subjects at all levels and has also conducted corporate trainings for a number of reputable organisations such as UOA and Taisei Corporation. She was also appointed as a subject leader for the subject Project Management.

Her core expertise is Project Management, Database Management System, Information Technology, Programming Methodology, Management Information System, Data Structure and Algorithm, System Analysis and Design Decision Making Skills, Introduction to Java, Introduction to Programming, Introduction to Programming Languages, Introduction to Database, Computer Systems and Internet Technology, Scholarly and Academic Practice, Information Analysis, Systems Development and Development Framework Methods.

Prior to joining Systematic (now known as SEGi) she has worked at SRJK Air Panas as a Computer Tutor.



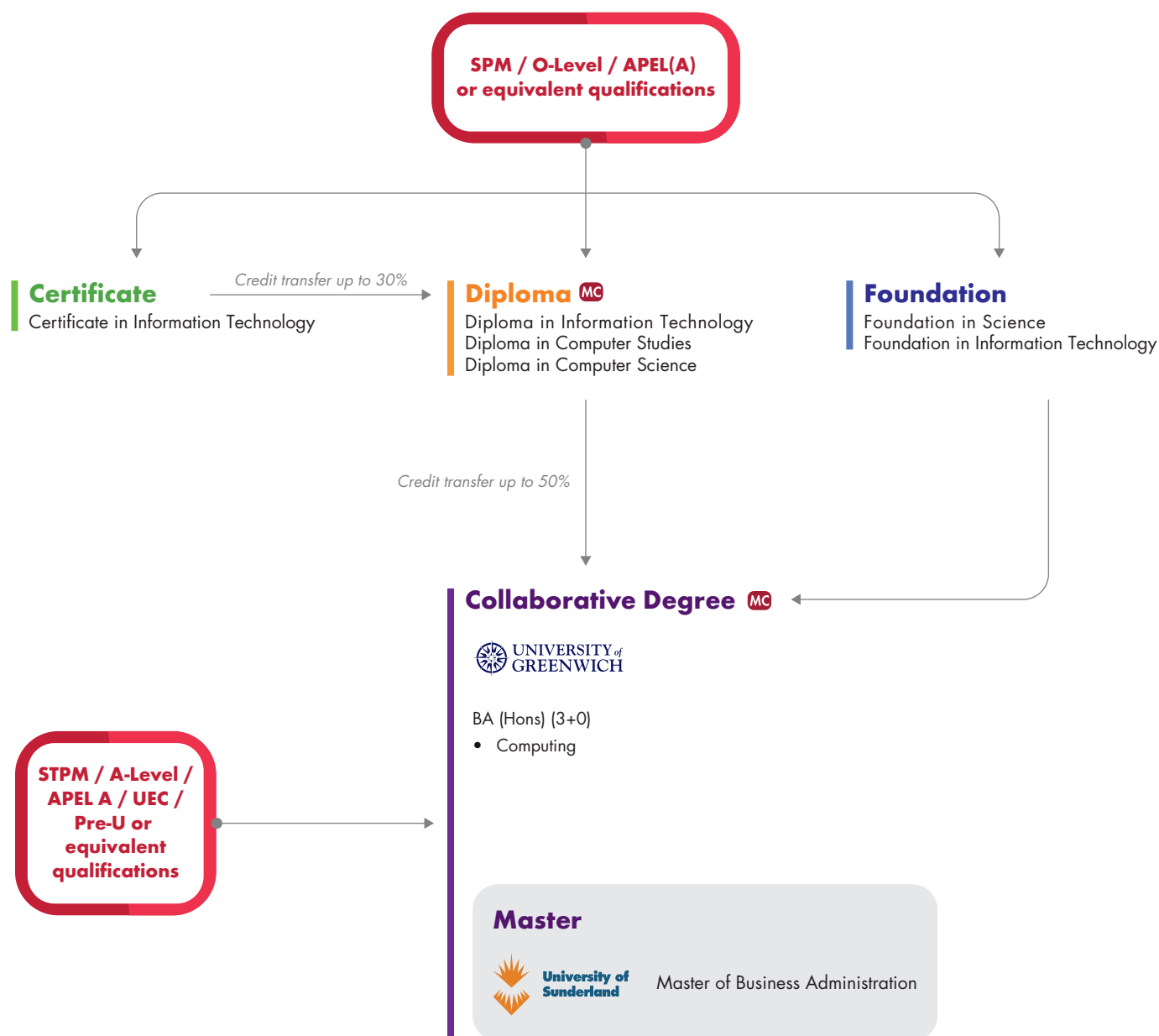
DAVID FOO
Lecturer

David Foo has been in the Education, Training and Corporate IT industry for more than 25 years. Over the years David working roles include from Management to System Analyst, Research & Development Leader, Academic Leader and a Lecturer. His specialisation includes Computer Science, Information Technology, Technology Management and Business Administration. He studied Computing, Information Systems and Technology Management with qualification from London, Staffordshire, Oxford University, United Kingdom. Currently he is pursuing the Doctor of Business Administration (DBA). His notable work and achievements includes research on the area of e-Learning, Design and implementation of various ICT Software Development projects, Curriculum Programme Development for Computing Education and Training, Academic collaborations with industry IT major players, Academic Quality Assurance certifications audit, Degree projects supervision and development of Teaching and Learning quality assurance framework and methods.

A PATHWAY FOR EVERYONE

STUDY ROUTE

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Credit Transfer

Your previous studies and qualifications may earn credits towards your diploma or degree. The award of credits is given on the basis of subject mapping and grades achieved. The maximum transferrable credits you may earn for a previous academic qualification could be 50% of the total credits at the Bachelor's degree. Work experience, MOOCs and other training certifications may earn you credit transfers of up to 30%. All credit transfers are subject to approval by the Senate or College Academic Board.

MC Micro-credential

We break it down to build you up. SEGi's Micro-credentials are unbundled from accredited qualifications, offering the modern learners a tempting, tantalising buffet-style learning model. While traditional diplomas or degrees are well-structured and solid, SEGi's Micro-credentials offer learners the choice of ultimate flexibility and customisation, empowering learners to select only what they want to consume, experience and learn. Through our innovative curriculum framework, these unbundled courses delivered through micro-credentials can then be easily re-bundled into accredited and recognised qualifications.

YOUR WORK EXPERIENCE COUNTS

APEL(A)

Get admission into our SEGi programme through Accreditation of Prior Experiential Learning or APEL, which is a systematic process that involves the identification, documentation and assessment of prior experiential learning to determine the extent to which an individual has achieved the desired learning outcomes, for access to a programme of study and/or award of credits.

APEL provides an opportunity for individual with working experience but lack of formal academic qualifications to pursue their studies in Higher Education Institutions (HEIs). In general, knowledge obtained through formal education and working experience will be both assessed in APEL's assessment.

At the moment, APEL in Malaysia can only be used as entry requirement to HEIs for the following level of qualification:

- Level 3 (Certificate);
- Level 4 (Diploma);
- Level 6 (Bachelor's Degree); and
- Level 7 (Master's Degree)

Candidates are required to submit the application for APEL(A) certification to MQA directly.

Basic requirements to apply APEL(A):

- Only applicable to Malaysian
- Pass the Aptitude Test and Portfolio
- Minimum age requirements:
 - a) Certificate - 19 years of age
 - b) Diploma - 20 years of age
 - c) Bachelor's Degree - 21 years of age
 - d) Master's Degree - 30 years of age
 - e) Doctoral Degree - 35 years of age



PROGRAMME MATRIX

| Programme | Awarding Institution | Entry Requirements | Campus |
|--|------------------------------|---|--|
| Master of Business Administration SJ (R2/340/7/0753) (04/23) (A8624) KL (R2/340/7/0268) (11/23) (A9419) PG (R2/345/6/0303) (02/28) (A8B48) SWK (R2/340/7/0569) (02/26) (MQA/FA0310) | University of Sunderland, UK | <ul style="list-style-type: none"> A recognised Degree A recognised Diploma with at least 5 years of management experience with MQA-APEL T7 | Subang Jaya Kuala Lumpur Penang Sarawak |
| BSc in Computing (3+0) SJ (R/481/6/0803) (06/23) (A9203) KL (R2/481/6/0500) (05/24) (A10000) PG (R/481/6/0696) (07/23) (MQA/FA6967) | University of Greenwich, UK | <ul style="list-style-type: none"> UEC with 5 credits STPM with Grade C in 2 subjects A-Level with passes in 2 subjects Matriculation / Foundation or equivalent SAM / AUSMAT with min ATAR 60 Related SKM Level 5 Related Diploma MQA-APEL T6 <p>Additional Requirements Credit in Maths at SPM / O-Level or equivalent and min CGPA 2.50</p> | Subang Jaya Kuala Lumpur Penang |
| Diploma in Information Technology SJ (R2/481/4/0101) (04/22) (A7756) PG (R2/481/4/0264) (10/23) (A9340) SWK (R2/481/4/0408) (01/24) (A9765) | | <ul style="list-style-type: none"> SPM / O-Level or equivalent with 3 credits UEC with 3 credits Related SKM Level 3 Related Certificate or equivalent MQA-APEL T4 <p>Additional Requirements Credit in Maths at SPM / O-Level or equivalent</p> | Subang Jaya Penang Sarawak |
| Diploma in Computer Studies KL (R2/481/4/0309) (09/23) (A9341) | | | Kuala Lumpur |
| Diploma in Computer Science KL (N/481/4/0808) (08/23) (PA9727) | | | Kuala Lumpur |
| Certificate in Information Technology SJ (R/481/3/0680) (02/26) (MQA/FA0295) KL (R2/481/3/0308) (01/24) (A9473) | SEGi College | <ul style="list-style-type: none"> SPM / O-Level or equivalent with 1 credit UEC with 1 credit SKM Level 2 MQA-APEL T3 <p>Additional Requirements Pass in Maths at SPM / O-Level or equivalent</p> | Subang Jaya Kuala Lumpur |
| Foundation in Science SJ (R2/000/3/0021) (04/23) (A7755) | | <ul style="list-style-type: none"> SPM / O-Level or equivalent with 5 credits UEC with 3 credits <p>Additional Requirements Credit in Maths at SPM / O-Level or equivalent</p> | Subang Jaya |
| Foundation in Information Technology KL (R2/010/3/0469) (02/23) (A8609) | | | Kuala Lumpur |

PROGRAMME MATRIX

ENGLISH REQUIREMENTS*

| Types of Exam | Diploma | Degree | Master |
|-----------------------|-----------|-----------|-----------|
| IELTS | Band 5 | Band 5 | Band 6.5 |
| TOEFL iBT | 42 | 46 | 60 |
| Cambridge English | 154 | 160 | 169 |
| Pearson Test | 47 | 51 | 59 |
| Linguaskill Cambridge | 154 - 161 | 162 - 168 | 169 - 175 |
| MUET | Band 2 | Band 3 | - |

**The English requirement serves as a guideline and it is subject to change. The weightage requirement may vary for different programmes.*

ENTRY REQUIREMENTS FOR INTERNATIONAL STUDENTS



bit.ly/isentryreq

A pathway for everyone

Your prior-qualifications were not mentioned?
Did not meet the entry requirements?

When there is a will, there's always a way. Contact us and schedule a FREE one-on-one consultation session to plot out a customised pathway that will fit your needs.

MASTER OF BUSINESS ADMINISTRATION

SJ [R2/340/7/0753] [04/23] [A8624] • KL [R2/340/7/0268] [11/23] [A9419] • PG [R2/345/6/0303] [02/28] [A8848] • SWK [R2/340/7/0569] [02/26] [MQA/FA0310]

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Our internationally acclaimed MBA programme is designed for enterprising minds seeking to combine their expertise with general management skills. You'll learn decision-making and problem solving skills in an international business environment and strategies to manage globalisation issues.

The MBA will assimilate work-based learning that will improve your ability to bring many productive changes within your current organisation.



**University of
Sunderland**

Programme Modules (100% Assignment Based)

- Financial Management and Control
- Strategic Management in an International Context
- Value Creation in Organisations - Managing Operations and Marketing
- Professional Management and Leadership Development
- Innovation, Entrepreneurship and Technology Transfer
- MBA Project

Financial Aid / Funding Available*

- EPF
- HRDF
- SEGi Monthly Installment
- Low Initial Payment

*terms & conditions apply.


ATLASSIAN


Blackboard
LEARN ULTRA


koha | FREE LIBRARY SYSTEM


100% Fully Accredited

IR4.0 IR4.0 Enhanced Syllabus

 Further Studies Overseas

 UK Lecturers / Tutors

 Sunderland Library

 Earn up to 12 Digital Badges

Career Opportunities

Suitable for professionals across all disciplines, the programme will significantly enhance your capability to function as a senior manager within a wide range of commercial and service organisations.

Recognition / Accreditation



Agensi Kelayakan Malaysia
Malaysian Qualifications Agency

5 ★★★★★

The BSc (Hons) Computing programme is structured to prepare graduates for the challenges of the study of computing field. We aim to produce students with good practical skills and oriented with good understanding in programming aspects, problem solving skills and critical thinking skills. Further to introducing students to new technology for them to understand computer networking and communication protocols, and to acquire sufficient knowledge to write, debug, compile and execute business application or programmes using the latest programming terminology and technology.

Upon graduation, students will be able to provide solution for business problems effectively as well as manage computing projects.



Programme Modules

Year 1

- System Development
- Computer Programming
- Communication Systems
- Logical Foundations
- Introduction to Internet Programming
- Design Thinking (NEW) **IR4.0** / Bahasa Kebangsaan A*
- Penghayatan Etika dan Peradaban / Falsafah dan Isu Semasa (International students) (NEW)
- Falsafah dan Isu Semasa (Local students) (NEW)
- Bahasa Melayu Komunikasi 2 (International students)
- Penghayatan Etika dan Peradaban (Local students) (NEW)
- Scholarly and Academic Practice
- Computer Programming **ED**
- Computer System and Internet Technologies
- Analytical Methods

Year 2

- Professional Project Management **ED**
- Application Development **ED**
- Network and Operating System **ED**
- User Interface Design
- Malaysia Society 5.0 (NEW) **IR4.0**
- Community Service
- Agile Development with Scrum
- Database Applications Technologies **ED**
- Principles of Security
- Information Analysis

Year 3

- Project (Part A)
- Requirements Management
- Research Methodology
- Human Computer Interaction and Design **ED**
- Internship
- Project (Part B)
- Enterprise Web Software Development
- Application Development for Mobile Devices **ED**
- Network Technology **ED**

Financial Aid / Funding Available*

- PTPTN
- EPF
- HRDF
- SEGi Monthly Installment
- Low Initial Payment

*terms & conditions apply.



LEARN ULTIMA



FREE LIBRARY SYSTEM



Student Mobility (MY & UK)

IR4.0 IR4.0 Enhanced Syllabus



Further Studies Overseas



UK Lecturers / Tutors



Greenwich Library



Earn up to 47 Digital Badges

ED Executive Degree (ED) Module

(Complete 6 modules to earn each award)

- ED in Mobile Application Development
- ED in Network Technology

Career Opportunities

Start off a career in any of the chosen field: IT support and consultancy, System analyst, Computer programmer, E-commerce application, Software developer, Web designer, Independent Consultants for public and private sector / organisation.

DIPLOMA IN INFORMATION TECHNOLOGY

SJ (R2/481/4/0101) (04/22) [A7756] • PG (R2/481/4/0264) (10/23) [A9340] • SWK (R2/481/4/0408) (01/24) [A9765]

19

IT professionals are trained to perform different duties that range from data management, networking and engineering to database design, software design and the management of the entire system. The Diploma in Information Technology programme educates you on how to face the challenges of IT industry. Furthermore, you will develop skills required for integrated databases, system networks and communication technology within a business context.



Programme Modules

Year 1

- Discrete Mathematics (NEW)
- General Language Training
- Information Technology
- Programming Methodology (NEW) PP
- Falsafah dan Isu Semasa / Penghayatan Etika dan Peradaban (Local students) (NEW)
- Bahasa Melayu Komunikasi 1 (International students) (NEW)
- Applied Digital Skills (NEW) IR4.0
- Academic English
- Growth Mindset (NEW) IR4.0 / Bahasa Kebangsaan A*
- Database Management System PP
- Web Designing PP
- Computer Organisation
- System Analysis and Design PP
- Window Programming
- Industry Revolution 4.0 in Malaysia (NEW) IR4.0

Year 2

- Introduction to Internet Programming PP
- Introduction to Operating System
- Multimedia Studies
- Introduction to Mobile Application Development PP
- Object Oriented Development PP
- Data Communication and Networking
- Software Engineering
- Elective (Choose one of the following):
 - Big Data Technology
 - Introduction to Artificial Intelligence
 - Cybersecurity
- Project Management
- User Experience (UX) Design PP
- Integrated System Project
- Elective (Choose one of the following):
 - Introduction to Python Programming
 - Introduction to Machine Learning
 - Ethical Hacking
- Co-curriculum Management

Year 3

- Internship

Financial Aid / Funding Available*

- PTPTN
- EPF
- HRDF
- SEGi Monthly Installment
- Low Initial Payment

*terms & conditions apply.

Blackboard

LEARN ULTRA

koha | FREE LIBRARY SYSTEM

100% Fully Accredited

Student Mobility (MY)

IR4.0 IR4.0 Enhanced Syllabus

Further Studies Overseas

Earn up to 62 Digital Badges

PP Professional Programme (PP) Module
(Complete 6 modules to earn each award)

- PP in Web Development
- PP in Mobile Application Development

Career Opportunities

Your chosen career path may be Network Administrator, Software Developer, Network Maintenance Assistant, Information System Assistant, Database Administrator, Information Systems Analyst, Helpdesk Support Manager.

*For Malaysian students who do not have a credit in SPM BM

The diploma is structured to prepare graduates for the challenges of the study of computing field.

The programme aims to produce students with practical skills and oriented them with the understanding of programming aspects. It also introduces students to new technologies and provides insights computer networking and communication protocols. Students will also acquire knowledge to write, debug, compile and execute business application or programmes using latest programming terminology and technology.

About SAS Institute

SAS is the leader in analytics. It began at North Carolina State University as a project to analyse agricultural research. Demand for such software capabilities began to grow, and SAS was founded in 1976 to help customers in all sorts of industries - from pharmaceutical companies and banks to academic and government entities. Through innovative software and services, SAS empowers and inspires customers around the world to transform data into intelligence. SAS gives you THE POWER TO KNOW®.

About Centre for Biomedical & Technology Integration (CBMTI)

Established in May 2011 as a start-up that was set up by University Malaya, CBMTI is located in IPS and UMRC. The centre's first project was the creation of customised implants for the replacement of skull removed during surgery (for trauma and tumour) and reconstruction of facial defects.

Today, our projects includes customised titanium implants, maxillofacial reconstruction, spine bio model, frame bio model, bio model slotter, maxillofacial model and MEDCOM OR (a medical communication system in Operating Rooms). With a multi-disciplinary team, CBMTI has exploited 3D printing, Artificial Intelligence (Ai) and Big Data Analytics technology to its utmost potential. But where CBMTI truly stands out is in creating clinically impact-full, sophisticated and training simulators for Industry 4.0 technology.

Programme Modules

Year 1

- Basic Mathematics for Computing
- General Language Training
- Computer Application
- Database Management System
- Falsafah dan Isu Semasa / Penghayatan Etika dan Peradaban (Local students) **(NEW)**
- Bahasa Melayu Komunikasi 1 (International students) **(NEW)**
- Programming Methodology
- Academic English
- Information Technology
- Growth Mindset **(NEW)** **IR4.0** / Bahasa Kebangsaan A*
- Entrepreneurship
- Principles of E-Commerce

Year 2

- Web Design and Development
- Multimedia Studies
- Introduction to Programming Language
- Systems Analysis and Design
- Data Structures and Algorithms
- Software Engineering
- Window Programming
- Data Communication and Networking
- System Development
- Computer Organisation
- Operating System

Year 3

- Internship
- Object Oriented Develop
- Business Research
- Project Management
- Management Information System
- Co-curriculum Management
- Integrated Systems Project

*For Malaysian students who do not have a credit in SPM BM



in collaboration with



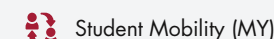
Financial Aid / Funding Available*

- PTPTN
- EPF
- HRDF
- SEGi Monthly Installment
- Low Initial Payment

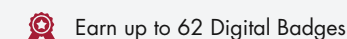
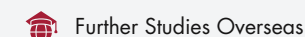
*terms & conditions apply.



100% Fully Accredited



IR4.0 IR4.0 Enhanced Syllabus



Career Opportunities

Possible job titles relevant to this qualification include: IT Administration Assistant, Data Processing Assistant, Computer Programmer, Systems Support Specialist.

DIPLOMA IN COMPUTER SCIENCE

KL (N/481/4/0808) [08/23] [PA9727]

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This programme has been created in response to the industry's demand for graduates with the knowledge and technical skills to analyse, develop, create, and operate data for representation and communication. This programme provides students with the knowledge and practical experiences in using current generation tools and techniques, allowing students to familiarise with the issues involved in network implementation and management, and to equip students with the skills to handle the demands of distributed enterprise application development for progression into or within their employment.

Students will also be supported in developing personal and professional skills, enabling graduates to communicate effectively and make a positive contribution in the workplace across a variety of roles within the organisation.



in collaboration with



About SAS Institute

SAS is the leader in analytics. It began at North Carolina State University as a project to analyse agricultural research. Demand for such software capabilities began to grow, and SAS was founded in 1976 to help customers in all sorts of industries - from pharmaceutical companies and banks to academic and government entities. Through innovative software and services, SAS empowers and inspires customers around the world to transform data into intelligence. SAS gives you THE POWER TO KNOW®.

Programme Modules

Year 1

- Mathematics for Computing
- General Language Training
- Computer Application
- Database Management System
- Falsafah dan Isu Semasa / Penghayatan Etika dan Peradaban (Local students) **(NEW)**
- Bahasa Melayu Komunikasi 1 (International students) **(NEW)**
- Programming Methodology
- Academic English
- Information Technology
- Statistics
- Growth Mindset **(NEW)** ^{IR4.0} / Bahasa Kebangsaan A*
- Entrepreneurship
- Big Data Technology and Management
- Principles of E-Commerce
- Project Management

Year 2

- Web Design and Development
- Data Structure and Algorithm
- Introduction to Python Programming Language
- Data Communication and Networking
- Systems Analysis and Design
- Object-oriented Development
- Systems Development
- Computer Organisation
- Software Engineering
- Windows Programming
- Introduction to Artificial Intelligence
- Data Science Methodology
- Spark for Data Science
- Operating System
- Industry Revolution 4.0 in Malaysia **(NEW)** ^{IR4.0}

Year 3

- Internship
- Data Visualisation
- Co-curriculum Management
- Capstone Project for Data Science

*For Malaysian students who do not have a credit in SPM BM

Financial Aid / Funding Available*

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- HRDF
- SEGi Monthly Installment
- Low Initial Payment

*terms & conditions apply.

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Student Mobility (MY)

IR4.0 IR4.0 Enhanced Syllabus

Further Studies Overseas

Earn up to 62 Digital Badges

Career Opportunities

Your chosen career path may be Network Administrator, Software Developer, Network Maintenance Assistant, Information System Assistant, Database Administrator, Information Systems Analyst, Helpdesk Support Manager.

Certificate in Information Technology (IT) programme is designed to strengthen student's knowledge in the fundamentals of IT to bridge to a tertiary education system smoothly. This programme is conducted in learner centric basis, which encourages dual directional interaction between students and lecturers. The learning activities are not confined in a classroom, but involving programming practical laboratories, industry visits, participation in competitions and related community service activities.

This programme provide students with the knowledge and practical experience in using current tools and techniques to handle the demands of distributed enterprise application development for progression into or within employment.



Programme Modules

Year 1

- Introduction to Information Technology
- General Language Training
- Basic Computing for Mathematics
- Introduction to Programming
- Falsafah dan Isu Semasa or Penghayatan Etika dan Peradaban (Local students) / Malaysian Studies 1 (NEW)
- Bahasa Melayu Komunikasi 1 (International students) (NEW)
- Applied Digital Skills (NEW) **IR4.0**
- Academic English
- Public Speaking Skill / Bahasa Kebangsaan A*
- Fundamentals of Operating System (NEW)
- Web Designing
- Basic Networking and Concepts
- Introduction to Database
- Fundamentals of Computer Architecture (NEW)
- Family Issues

Year 2

- Introduction to Java
- Fundamentals of Graphics Design
- Electronic Publishing
- PC Maintenance
- System Development
- Introduction to Animation and Multimedia

Financial Aid / Funding Available*

- EPF
- HRDF
- SEGi Monthly Installment
- Low Initial Payment

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Student Mobility (MY)

IR4.0 IR4.0 Enhanced Syllabus

Further Studies Overseas

Choice of Electives Available

Earn up to 32 Digital Badges

Career Opportunities

Upon completion of the Certificate in Information Technology, you may further your studies in Diploma or Degree or gain experience through careers such as customer support representative, client support officer, technician and many more.

FOUNDATION IN SCIENCE

SJ (R2/000/3/0021) (04/23) (A7755)

23

The foundation programme is shaped to equip you with the knowledge, skills and practice needed to bridge you from secondary studies to tertiary level.

We cover the subject of applied sciences, providing a strong foundation for those intending to pursue programmes in Health Sciences, Engineering and Computing. The foundation will guarantee your entry into above par degree programmes with SEGi as well as UK universities in collaboration with SEGi. The foundation programme enables you to gain direct entry into the respective degree programmes.



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

Financial Aid / Funding Available*


- EPF
- HRDF
- SEGi Monthly Installment
- Low Initial Payment

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 Student Mobility (MY)

IR4.0 IR4.0 Enhanced Syllabus

 Further Studies Overseas

 Earn up to 32 Digital Badges

Career Opportunities

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 science, engineering or computing degree programmes.

Foundation in Information Technology (IT) programme which complies with the latest MQA standards is designed to strengthen student's knowledge in the fundamental IT subjects in order to bridge to tertiary education system smoothly.

This programme is conducted in learner centric basis, which encourages dual directional interaction between students and lecturers. The learning activities are not confined in a classroom, but involves programming practical laboratories, industry visits, participation in competitions and related community service activities. It provides students with the knowledge and practical experience in using current tools and techniques to handle the demands of distributed enterprise application development for progression into or within employment.



Programme Modules

- Basic Mathematics
- Information Technology
- Computer Application
- Personal and Professional Development
- Programming Methodology
- Statistics
- Introduction to Programming Languages
- Introduction to Animation and Multimedia
- Web Designing
- General English Training
- Principle of Management
- Academic English
- Database Management System
- Introduction to OO Development

Financial Aid / Funding Available*


- EPF
- HRDF
- SEGi Monthly Installment
- Low Initial Payment


*terms & conditions apply.

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 Further Studies Overseas

 Earn up to 32 Digital Badges

Career Opportunities

This qualification is specially designed for students with SPM, O-Level or equivalent qualifications and who have decided to pursue a career in computing or information technology. Upon successful completion of the SEGi Foundation in Information Technology, students can venture into a range of computing and information technology degree programmes.

ELECTIVE COURSES

DIPLOMA LEVEL

| No | Name of Course / Module | School | Credit Value | No | Name of Course / Module | School | Credit Value |
|----|--|-------------------------|--------------|----|---|--|--------------|
| 1 | Business and Company Law | Business and Accounting | 3 | 28 | CyberPsychology | Psychology | 3 |
| 2 | Business Communication | | 3 | 29 | Positive Psychology | | 3 |
| 3 | Business Management | | 3 | 30 | Social Psychology | | 3 |
| 4 | Cost Accounting | | 3 | 31 | Understanding the Child's Growth and Development | Early Childhood Education | 3 |
| 5 | Data Analysis | | 3 | 32 | Play & Learning for Young Children | | 3 |
| 6 | Financial Accounting 1 | | 3 | 33 | Physical Education & Health Care for Young Children | | 3 |
| 7 | Introduction to Business | | 3 | 34 | Safety & Well-being of Young Children | | 3 |
| 8 | Introduction to Finance | | 3 | 35 | Global Citizenship for Young Children | | 3 |
| 9 | Introduction to Management Accounting | | 3 | 36 | An Introduction to Montessori Pedagogy | 3 | |
| 10 | Introduction to Marketing | | 3 | 37 | Music for Children | Music | 3 |
| 11 | Principles of Management | | 3 | 38 | Music Appreciation 1: Aesthetic & Style | | 3 |
| 12 | Social Media Marketing | | 3 | 39 | Music Appreciation 5: World Music | | 3 |
| 13 | Technopreneurship | | 3 | 40 | Music Fundamentals 1: Fundamental Theory | 3 | |
| 14 | Consumer Behaviour | | 4 | 41 | Print Production | Hospitality & Tourism / Creative Arts & Design | 3 |
| 15 | Corporate Audit | | 4 | 42 | Advertising Creativity | | 3 |
| 16 | Digital and Service Marketing | | 4 | 43 | Wedding Planning and Management | Hospitality & Tourism | 3 |
| 17 | Digital Marketing | | 4 | 44 | Wine Management | | 3 |
| 18 | Finance | | 4 | 45 | Introductory to French | | 3 |
| 19 | Human Resource Management | | 4 | 46 | Food & Its Culture | 3 | |
| 20 | Integrated Marketing Communication | | 4 | 47 | Principles of Electronics & Electrical Engineering | Engineering | 3 |
| 21 | International Business | | 4 | 48 | Engineering Drawing | | 3 |
| 22 | Marketing Management | | 4 | 49 | Fundamental of Photography | Creative Arts & Design | 3 |
| 23 | Operations Management | | 4 | 50 | Digital Graphics | | 3 |
| 24 | Organisational Behaviour | | 4 | 51 | Introduction to Multimedia & Animation | | 4 |
| 25 | Personal Selling | | 4 | 52 | Interactive Web Design | | 4 |
| 26 | Industrial and Organisational Psychology | Psychology | 3 | 53 | Videography | | 4 |
| 27 | General Psychology | | 3 | 54 | Presentation Skills | 3 | |

SCHOLARSHIPS AVAILABLE*

**subject to change*

| Scholarship Name | Priority Courses |
|--|---|
| Program Graduan Cemerlang (GrEP MARA) | All Programmes |
| Program Penajaan Pengajian Tertiar (TESP MARA) | |
| Bantuan Zakat MAIDAM | |
| Hong Leong Foundation Scholarship | |
| Keysight Malaysia Scholarship | |
| Lembaga Zakat Selangor | |
| Zakat Kelantan | |
| Karangkraf | |
| Sin Chew Media Corporation Bhd | |
| STAR Media Group Bhd | |
| SEGi High Achiever's Scholarship | |
| SEGi Ace Scholarship | |
| SEGi Unified Examination Certificate (UEC) Scholarship | |
| Yayasan Kemanusiaan Da Sheng | <ul style="list-style-type: none"> • Education |
| Sony Scholarship | <ul style="list-style-type: none"> • Electrical and Electronics Engineering • Mechanical Engineering • Marketing • Human Resources • Administration • Computer Science |
| Gamuda Scholarship | <ul style="list-style-type: none"> • Engineering • Accounting • Human Resource • Psychology |
| PETRONAS Education Sponsorship Programme | <ul style="list-style-type: none"> • Accounting & Business • Arts & Communication • Computer & Multimedia • Education • Engineering & Architecture |
| Bank Negara Scholarship | <ul style="list-style-type: none"> • Computer Science • Accounting |
| Tunku Abdul Rahman (BTAR) Scholarship | <ul style="list-style-type: none"> • Accounting & Business • Arts & Communication • Computer & Multimedia • Education • Engineering & Architecture |
| Genting Malaysia Scholarship Award | <ul style="list-style-type: none"> • Culinary Arts • Hospitality Management |
| OCBC Bank | <ul style="list-style-type: none"> • Accountancy • Business Administration • Computer Science • Engineering • Accounting & Business • Arts & Communication • Computer & Multimedia |
| Elena Cooke Education Fund | <ul style="list-style-type: none"> • Accounting & Business • Arts & Communications • Computer & Multimedia • Engineering & Architecture • Hospitality & Tourism |



SEGi College Kuala Lumpur (DK250(W))

☎ +603 2070 2078 📞 +6012 988 7482 📞 1800 88 8028

SEGi College Subang Jaya (DK250-04(B))

☎ +603 8600 1777 📞 +6010 313 0303

SEGi College Penang (DK250-03(P))

☎ +604 263 3888 📞 +6013 629 4880

SEGi College Sarawak (DK250-02(Q))

☎ +6082 252 566 📞 +6017 859 2566 📞 1300 88 7344

Regional Centre:

SEGi University Regional Centre, Johor Bahru

☎ +607 235 9188 📞 +6012 318 3136

**SEGi Covid-19
Readiness Guide**



bit.ly/c19readinessguide