



**SEGi**  
Group of  
Colleges

Towards  
**R4.0**

# INFORMATION TECHNOLOGY



in collaboration with



UNIVERSITY of  
GREENWICH



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.

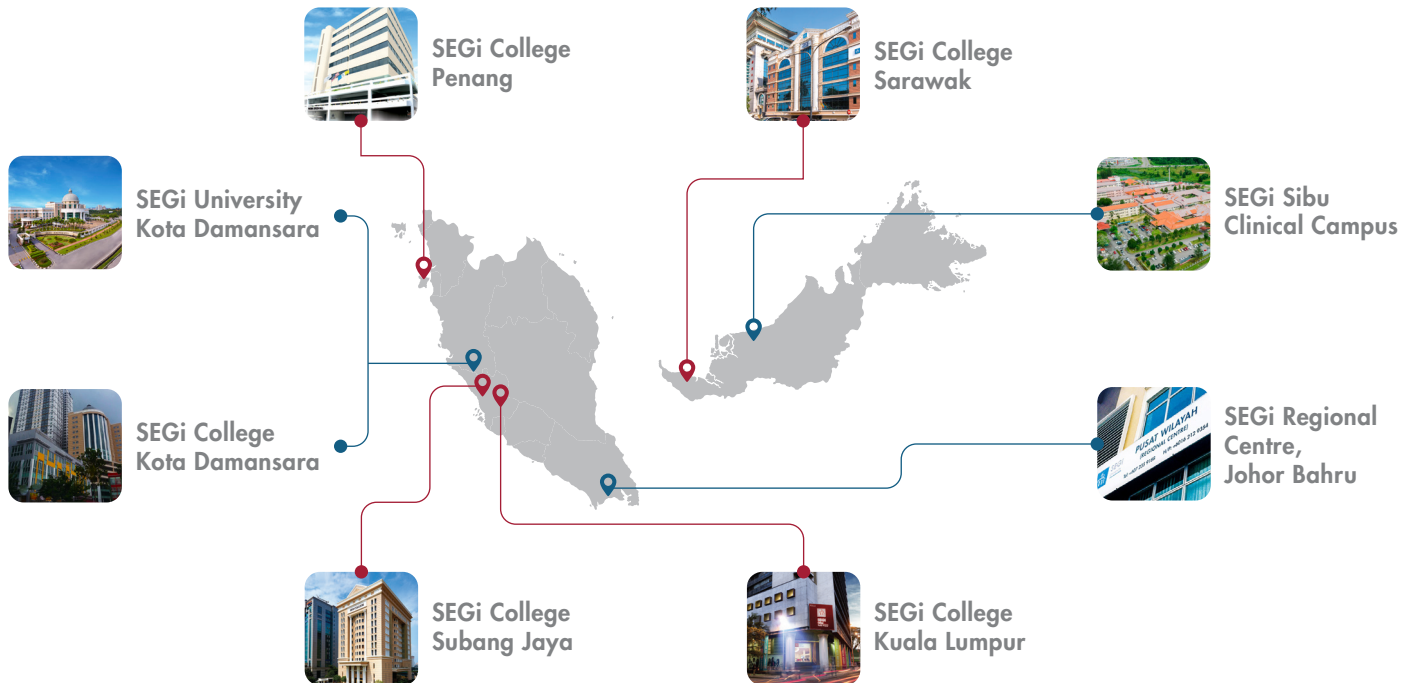


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# SEGi UNIVERSITY & COLLEGES



**20,000**  
Students

Malaysian  70%  
International  30%

**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

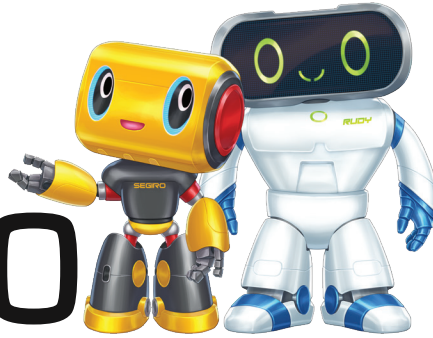


Cert no: MY14/01588



Towards

R4.0



## 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 touch lives and make a significant.

## 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



### 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

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## MANIBELEN RATNASAMY

**Associate Dean, Joint Faculty of Computing and IT, SEGi Group of Colleges**

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.



## 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.



## THAVAMALAR A/P THAVARAJALATNAM

**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.



# EXPERIENCED EDUCATORS



## MOHAMED FEROUZ

Lecturer



Mr Feroz has more than 12 years of teaching and training experience as well as more than eight (8) years of industrial experience. He has taught computing subjects at all levels and has also conducted corporate trainings for a number of reputable organizations such as for a group of Programmers from Kuala Lumpur City Hall (DBKL).

His core expertise is Windows Server with working experience of Active Directory, DNS, DHCP, File Server and XAMPP Server. Strong grasp of technologies in software packages of major clients (SAS, Advanced JAVA, JAVA Script, JAVA Applet, VB.Net, C, C++, PHP, MySQL, Joomla, Wordpress, Moodle, HTML, CSS, Adobe Photoshop, Adobe Flash, Adobe Dreamweaver, MS Office inclusive of EXCEL VBA) and reporting tool software (Crystal Report). Have exceptional skills in installing and maintaining of computer hardware and networking.

Prior to joining SEGi's SOCIT, Mr Feroz has worked in various private university and college/organizations in many different capacities. His vast experience includes working as a senior IT Executive cum Programmer for a leading private Food and Beverages company in Kuala Lumpur, as a Senior IT Executive for a Singapore-based company in Selangor, as a lecturing staff for a Singapore-based Information Technology training centre, to name a few.

## TS. DR TIU ZIAN CHEAK

Head, Faculty of Engineering & Information Technology



Ts. Dr. Tiu has received his PhD from University of Malaya. He has been recognised as Chartered Engineer and Professional Technologist. He has been working in tertiary education for more than 13 years, which covering vocational education, undergraduate and postgraduate level. Besides, he is an active researcher who involving in cutting edge research in Malaysia, with more than 60 ISI indexed publications in past 5 years. His has achieved average citation of >100 for past 5 years. He is actively participant in international conferences and has been invited as journal reviewer by more than 10 different journals. He is also an industry advisor for some technology firms and actively involving in industry projects. He has accumulated more than RM200,000 research grant for past 5 years.

## DR ILI FARHANA MD MAHTAR

Lecturer

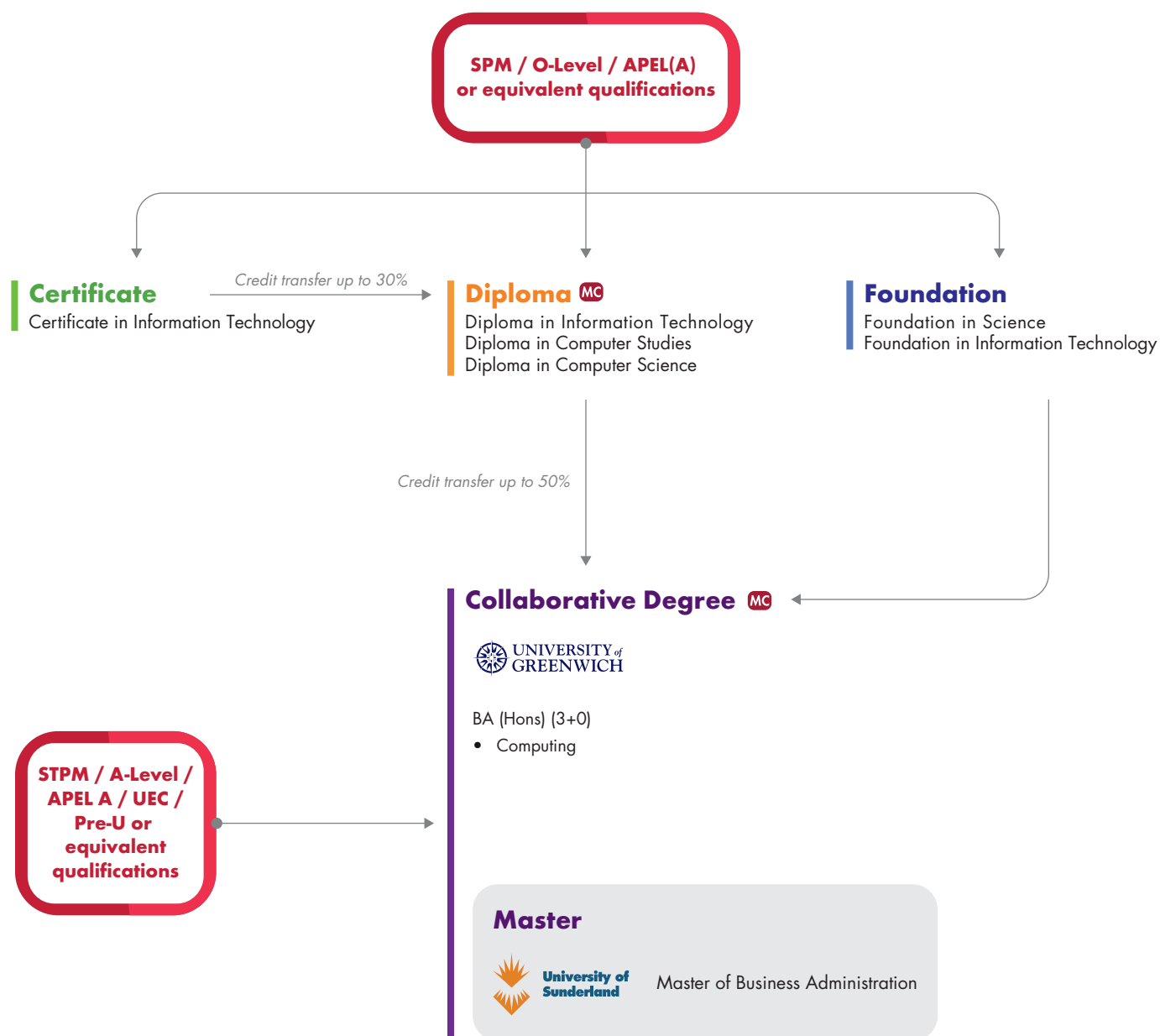


Dr. Ili Farhana Md Mahtar has received her PhD in Computer Science from University of York, United Kingdom (UK). During her doctoral study, she had actively participated in few European research grants for the role of expert evaluator. Based on her expertise in User Experience (UX) design and Usability Testing, she had also been invited to contribute her knowledge in research from Malaysia public universities. Besides, she has network with key experts around the globe. She has been working in tertiary education around 10 years, involving students from different abilities, academic backgrounds and levels. On top of that, she had 4 years of industrial experience.

# A PATHWAY FOR EVERYONE

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## STUDY ROUTE



### 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 approvals 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

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Programme	Awarding Institution	Entry Requirements	Campus
<b>Master of Business Administration</b> SJ (R/2/340/7/0753) (04/23) (A8624) KL (R/2/340/7/0268) (11/23) (A9419) PG (R/2/345/6/0303) (02/23) (A8848) SWK (R/340/7/0569) (02/21) (FA0310)	University of Sunderland, UK	<ul style="list-style-type: none"> <li>A recognised Degree</li> <li>A recognised Diploma with at least 5 years of management experience with MQA-APEL T7</li> </ul>	Subang Jaya Kuala Lumpur Penang Sarawak
<b>BSc in Computing (3+0)</b> SJ (R/481/6/0803) (06/23) (A9203) KL (R/2/481/6/0500) (05/24) (A10000) PG (R/481/6/0696) (07/23) (A9199)	University of Greenwich, UK	<ul style="list-style-type: none"> <li>UEC with 5 credits</li> <li>STPM with Grade C in 2 subjects</li> <li>A-Level with passes in 2 subjects</li> <li>Matriculation / Foundation or equivalent</li> <li>SAM / AUSMAT with min ATAR 60</li> <li>Related SKM Level 5</li> <li>Related Diploma</li> <li>MQA-APEL T6</li> </ul> <b>Additional Requirements</b> Credit in Maths at SPM / O-Level or equivalent and min CGPA 2.50	Subang Jaya Kuala Lumpur Penang
<b>Diploma in Information Technology</b> SJ (R/2/481/4/0101) (04/22) (A7756) PG (R/2/481/4/0264) (10/23) (A9340) SWK (R/2/481/4/0408) (01/24) (A9765)	SEGi College	<ul style="list-style-type: none"> <li>SPM / O-Level or equivalent with 3 credits</li> <li>UEC with 3 credits</li> <li>Related SKM Level 3</li> <li>Related Certificate or equivalent</li> <li>MQA-APEL T4</li> </ul> <b>Additional Requirements</b> Credit in Maths at SPM / O-Level or equivalent	Subang Jaya Penang Sarawak
<b>Diploma in Computer Studies</b> KL (R/2/481/4/0309) (09/23) (A9341)			Kuala Lumpur
<b>Diploma in Computer Science</b> KL (N/481/4/0808) (08/23) (PA9727)			Kuala Lumpur
<b>Certificate in Information Technology</b> SJ (R/2/481/3/0680) (02/26) (FA0295) KL (R/2/481/3/0308) (01/24) (A9473)		<ul style="list-style-type: none"> <li>SPM / O-Level or equivalent with 1 credit</li> <li>UEC with 1 credit</li> <li>SKM Level 2</li> <li>MQA-APEL T3</li> </ul> <b>Additional Requirements</b> Pass in Maths at SPM / O-Level or equivalent	Subang Jaya Kuala Lumpur
<b>Foundation in Science</b> SJ (R/2/000/3/0021) (04/23) (A7755)		<ul style="list-style-type: none"> <li>SPM / O-Level or equivalent with any 5 credits</li> <li>UEC with any 3 credits</li> </ul> <b>Additional Requirements</b> Credit in Maths at SPM / O-Level or equivalent	Subang Jaya
<b>Foundation in Information Technology</b> KL (R/2/010/3/0517) (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](https://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) (02/23) (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.

## 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



**University of  
Sunderland**

## Recognition / Accreditation



## Financial Aid / Funding Available\*

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

\*terms & conditions apply.



**Blackboard**  
LEARN ULTRA



**100%** Fully Accredited

**R4.0** IR4.0 Enhanced Syllabus

Further Studies Overseas

UK Lecturers / Tutors

Sunderland Library

Earn up to 12 Digital Badges

## Career Opportunities

An MBA will take your teaching career to strategic leadership and management positions within the education sector, in both private and public settings.

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) / Bahasa Kebangsaan A\*
- Malaysian Studies 3 (International students)
- Hubungan Etnik (Local students)
- Bahasa Melayu Komunikasi 2 (International students)
- Tamadun Islam & Tamadun Asia (Local students)
- Scholarly and Academic Practice
- Computer Programming
- Computer System and Internet Technologies
- Analytical Methods

### Year 2

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

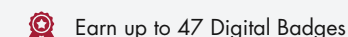
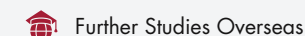
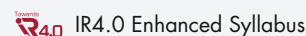
### Year 3

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

## Financial Aid / Funding Available\*

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

\*terms & conditions apply.



## Executive Bachelor (EB) Module (Complete 6 modules to earn each award)

- EB in Mobile Application Development
- EB 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)

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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) PD
- Malaysian Studies (Local students)
- Bahasa Melayu Komunikasi 1 (International students)
- Applied Digital Skills (NEW) IR4.0
- Academic English
- Growth Mindset (NEW) IR4.0 / Bahasa Kebangsaan A\*
- Database Management System PD
- Web Designing PD
- Computer Organisation
- System Analysis and Design PD
- Window Programming
- Industry Revolution 4.0 in Malaysia (NEW) IR4.0

### Year 2

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

### Year 3

- Internship



SEGi  
College

in collaboration with



THE POWER TO KNOW®



Centre For  
BIOMEDICAL &  
TECHNOLOGY  
Integration

## 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 Enhanced Syllabus

Further Studies Overseas

Earn up to 62 Digital Badges

PD Professional Diploma (PD) Module  
(Complete 6 modules to earn each award)

- PD in Web Development
- PD 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



# DIPLOMA IN COMPUTER STUDIES

KL (R2/481/4/0309) (09/23) (A9341)

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.



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## Programme Modules

### Year 1

- Basic Mathematics for Computing
- General Language Training
- Computer Application
- Database Management System
- Malaysian Studies 2 (Local students)
- Bahasa Melayu Komunikasi 1 (International students)
- Programming Methodology
- Academic English
- Information Technology
- Growth Mindset (NEW)  / 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

## Financial Aid / Funding Available\*

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


\*terms & conditions apply.


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 Student Mobility (MY)

 IR4.0 Enhanced Syllabus

 Further Studies Overseas

 Earn up to 62 Digital Badges

## Career Opportunities

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

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



# 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.

## 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
- Bahasa Melayu Komunikasi 1 (International students)
- Malaysian Studies 2 (Local students)
- Programming Methodology
- Academic English
- Information Technology
- Statistics
- Growth Mindset (NEW)  / 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
- Window Programming
- Introduction to Artificial Intelligence 
- Data Science Methodology 
- Spark for Data Science
- Operating System
- Industry Revolution 4.0 in Malaysia (NEW) 

### 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



**SEGi**  
College

in collaboration with



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## Financial Aid / Funding Available\*

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


\*terms & conditions apply.


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 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.



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## Programme Modules

### Year 1

- Introduction to Information Technology
- General Language Training
- Basic Computing for Mathematics
- Introduction to Programming
- Malaysian Studies 1 (Local students)
- Bahasa Melayu Komunikasi 1 (International students)
- Applied Digital Skills **(NEW)** 
- 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\*

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


\*terms & conditions apply.


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 Student Mobility (MY)

 **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)

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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.



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## 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 III
- Chemistry III
- Engineering Mathematics
- Physics III
- Biology III
- Biochemistry
- Thinking skills

## Financial Aid / Funding Available\*

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

\*terms & conditions apply.


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 Student Mobility (MY)

 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\*


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- SEGi Monthly Installment
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\*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

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## 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	27	CyberPsychology	Psychology	3
2	Business Communication		3	28	Positive Psychology		3
3	Business Management		3	29	Social Psychology		3
4	Cost Accounting		3	30	Understanding the Child's Growth and Development	Early Childhood Education	3
5	Data Analysis		3	31	Play & Learning for Young Children		3
6	Financial Accounting 1		3	32	Physical Education & Health Care for Young Children		3
7	Introduction to Business		3	33	Safety & Well-being of Young Children		3
8	Introduction to Finance		3	34	Global Citizenship for Young Children		3
9	Introduction to Management Accounting		3	35	An Introduction to Montessori Pedagogy		3
10	Introduction to Marketing		3	36	Music for Children	Music	3
11	Principles of Management		3	37	Music Appreciation 1: Aesthetic & Style		3
12	Social Media Marketing		3	38	Music Appreciation 5: World Music		3
13	Technopreneurship		3	39	Print Production	Hospitality & Tourism / Creative Arts & Design	3
14	Consumer Behaviour		4	40	Advertising Creativity		3
15	Corporate Audit		4	41	Wedding Planning and Management	Hospitality & Tourism	3
16	Digital and Service Marketing		4	42	Wine Management		3
17	Digital Marketing		4	43	Introductory to French		3
18	Finance		4	44	Food & Its Culture		3
19	Human Resource Management		4	45	Principles of Electronics & Electrical Engineering	Engineering	3
20	Integrated Marketing Communication		4	46	Engineering Drawing		3
21	International Business		4	47	Fundamental of Photography	Creative Arts & Design	3
22	Marketing Management		4	48	Digital Graphics		3
23	Operations Management		4	49	Introduction to Multimedia & Animation		4
24	Organisational Behaviour		4	50	Interactive Web Design		4
25	Personal Selling		4	51	Videography		4
26	Industrial and Organisational Psychology	Psychology	3	52	Presentation Skills		3

# ELECTIVE COURSES

## CERTIFICATE LEVEL

No	Name of Course / Module	School	Credit Value	No	Name of Course / Module	School	Credit Value
1	Basic Financial Accounting	Business and Accounting	3	7	Basic Management	Business and Accounting	3
2	Introduction to Human Resource Management		3	8	Basic Marketing		3
3	Business Ethics		3	9	Business Communication and Writing		3
4	Basic Statistics		3	10	Basic Finance		3
5	Basic Business Principles		3	11	The Basics of Physical Education and Health Care in Early Childhood	Early Childhood Education	3
6	Introduction to Cost Accounting		3	12	Fundamental Photography	Creative Arts & Design	4





# SCHOLARSHIPS AVAILABLE\*

\*subject to change

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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"> <li>• Education</li> </ul>
Sony Scholarship	<ul style="list-style-type: none"> <li>• Electrical and Electronics Engineering</li> <li>• Mechanical Engineering</li> <li>• Marketing</li> <li>• Human Resources</li> <li>• Administration</li> <li>• Computer Science</li> </ul>
Gamuda Scholarship	<ul style="list-style-type: none"> <li>• Engineering</li> <li>• Accounting</li> <li>• Human Resource</li> <li>• Psychology</li> </ul>
PETRONAS Education Sponsorship Programme	<ul style="list-style-type: none"> <li>• Accounting &amp; Business</li> <li>• Arts &amp; Communication</li> <li>• Computer &amp; Multimedia</li> <li>• Education</li> <li>• Engineering &amp; Architecture</li> </ul>
Bank Negara Scholarship	<ul style="list-style-type: none"> <li>• Computer Science</li> <li>• Accounting</li> </ul>
Tunku Abdul Rahman (BTAR) Scholarship	<ul style="list-style-type: none"> <li>• Accounting &amp; Business</li> <li>• Arts &amp; Communication</li> <li>• Computer &amp; Multimedia</li> <li>• Education</li> <li>• Engineering &amp; Architecture</li> </ul>
Genting Malaysia Scholarship Award	<ul style="list-style-type: none"> <li>• Culinary Arts</li> <li>• Hospitality Management</li> </ul>
OCBC Bank	<ul style="list-style-type: none"> <li>• Accountancy</li> <li>• Business Administration</li> <li>• Computer Science</li> <li>• Engineering</li> <li>• Accounting &amp; Business</li> <li>• Arts &amp; Communication</li> <li>• Computer &amp; Multimedia</li> </ul>
Elena Cooke Education Fund	<ul style="list-style-type: none"> <li>• Accounting &amp; Business</li> <li>• Arts &amp; Communications</li> <li>• Computer &amp; Multimedia</li> <li>• Engineering &amp; Architecture</li> <li>• Hospitality &amp; Tourism</li> </ul>



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**SEGi Covid-19  
Readiness Guide**



[bit.ly/c19readinessguide](https://bit.ly/c19readinessguide)