INFORMATION TECHNOLOGY

/ˌɪn.fəˈmeɪ.ʃən/ /tekˈnɒl.ə.dʒi/ **noun**

1. Specialisations in AI, Digital Transformation, Cybersecurity , Data Science, Software Engineering, Computer Network and Business System Design
2. State-of-the-art facilities that inspires innovation
3. Collaboration with leading industry partners
4. Academic experts with industry experience

TOP 1.5%
UNIVERSITY IN THE WORLD
JOINING THE WORLD'S BEST – DEBUTING @ #731-740

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

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

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

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

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

QS WORLD UNIVERSITY RANKINGS

RANKED #731-740

#8 IN THE WORLD
STUDENT DIVERSITY

#13 IN THE WORLD
INTERNATIONAL STUDENTS

#100 IN THE WORLD
FACULTY-STUDENT RATIO

#179 IN THE WORLD
INTERNATIONAL FACULTY

#1 IN MALAYSIA
STUDENT DIVERSITY

#1 IN MALAYSIA
INTERNATIONAL STUDENTS

#5 IN MALAYSIA
INTERNATIONAL FACULTY

#9 IN MALAYSIA
EMPLOYMENT OUTCOMES

Source: QS World University Rankings

BE A PART OF THE WORLD'S
BEST

Unlock possibilities at one of the
FINEST UNIVERSITIES in the world

>80
NATIONALITIES @ SEGi

>600
INDUSTRY PARTNERS

100%
EMPLOYABILITY RATE

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

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

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

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

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

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

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

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

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

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

Programme accreditations and recognitions

MINISTRY OF HIGHER EDUCATION

MQA
Agensi Kelayakan Malaysia
Malaysian Qualifications Agency

SEGi COLLEGE

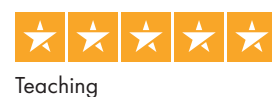# ONE OF THE LARGEST & LEADING HIGHER EDUCATION GROUP IN MALAYSIA
48 YEARS AT THE FOREFRONT OF EDUCATION

ONE OF THE ONLY 24 IN THE WORLD
QS WORLD-RANKED UNIVERSITY WITH A QS 5 STARS+ RATING

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

QS Overall OUTSTANDING ★★★★★+

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

Teaching

Internationalisation

Online Learning

Arts & Culture

Employability

Academic Development

Bachelor of Medicine and Bachelor of Surgery (MBBS)

Inclusiveness

QS WORLD UNIVERSITY RANKINGS

RANKED

QS Overall OUTSTANDING ★★★★★

SETARA

MyQuest

Times Higher Education Impact Rankings

RANKED ASIA 2020

RANKED ASIA 2020 QS WORLD UNIVERSITY RANKINGS

SETARA 2019 EMERGING UNIVERSITY

MyQuest

MOHE MyQuest
2010/2011 Evaluation
Overall College-Based Category
Arts & Humanities Category

MOHE MyQuest
2012/2013 Evaluation
International Student Readiness Criteria
Cluster-Based Score (Services)

MyQUEST 2014/2015
6

6 MyQUEST OUTSTANDING

PUTRA BRAND AWARDS SILVER 2013 - 2015
(Education & Learning)

PUTRA BRAND AWARDS BRONZE 2012, 2016, 2017 & 2018
(Education & Learning)

BRAND OF THE YEAR
Education - Malaysia World Branding Award

MRCA AWARDS
Outstanding Innovation Award 2014

TRUSTED BRAND
Reader's Digest Trusted Brand 2013 - 2015
(Services, Private University/College)

5 SETARA-2019 Emerging University

Partner Universities and Institutions

YOUR GATEWAY TO LEADING GLOBAL INSTITUTIONS

Consortium of Global Research and Mobility Partners

OUR PARTNER UNIVERSITY

UNIVERSITY OF GREENWICH

University of Greenwich (UoG), UK

2024 - 2025

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

LEARN UNDER THE BIGGEST & BRIGHTEST FROM THE INDUSTRY

To excel in your career from day one, you need cross-disciplinary skills, industry insights, and technical know-how. These are often not adequately provided by traditional education methods like written assignments, industry visits, or internships.

Our programmes integrate industry expertise directly into the classroom experience. Co-designed, co-delivered, and co-assessed by industry professionals, our programmes offer hands-on learning opportunities with over 300 partner brands. The aim is to ensure you have real-world experience and secure job or business opportunities before graduation.

Winner of the
Employers' Choice Award
by Talentbank for
THREE CONSECUTIVE YEARS

CONSORTIUM OF INDUSTRY PARTNERS

YOUR WORK EXPERIENCE COUNTS!

SHORTEST & FASTEST PATHWAY FOR ADULT LEARNERS

APEL.A

SKIP ENTRY REQUIREMENTS: DIRECT ENTRY PATHWAY

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

APEL.M

STUDY FIRST AND GET AUTOMATICALLY QUALIFIED LATER

Start studying first and you will automatically be qualified once you pass more than 50% of the subjects.

APEL.C

SHORTEN YOUR STUDY DURATION

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

CANNOT COMMIT FOR A FULL-FLEDGED PROGRAMME?

"ALA-CARTE" YOUR EDUCATION

BUILD YOUR QUALIFICATION SUBJECT BY SUBJECT

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

PROFESSIONAL PROGRAMMES

4 MICRO-CREDENTIAL SUBJECTS

DEGREE/DIPLOMA

6 PROFESSIONAL PROGRAMMES

QUALITY EDUCATION WITHIN REACH
PROGRAMMES THAT SUITS YOUR NEEDS

Mode of Study	Full time	Programme is offered in full time mode
	Weekend	The weekend programme is also designed to suit adult learners to complete within the shortest timeframe possible
	ODL	Open and Distance Learning (ODL) mode is a fully-online learning mode suited to students who wishes to study off-campus
	WBL	Work-Based Learning (WBL) is an innovative mode of delivery where SEGi partners with a renowned brand to deliver the programme. Students get the best of both worlds in their studies – theoretical know-how from SEGi and practical learning from the industry
Micro-credentials	MC	Micro-credentials are designed for students who wish to 'ala carte' their education. Subjects are offered on a singular basis and are stackable over time to convert into a full-fledged qualification
APEL	APEL. A/M/C	Developed by the Malaysian Qualifications Agency (MQA), the Accreditation of Prior Experiential Learning (APEL) programme enables students to access multiple pathways into a recognised programme
	APEL. Q	The APEL.Q programme enables students to convert work experience into a recognised qualification without going through the conventional teaching and learning of a programme
Mobility	Mobility	Students are eligible to study in another SEGi campus for 1 semester without additional cost to their tuition fee
	Global Mobility	Students are eligible to transfer to our partnering universities for mobility programmes
Funding	PTPTN Assistance	A dedicated PTPTN Assistance office to help students secure PTPTN fundings
	EPF-Claimable	Students/guardians can withdraw from the EPF to fund their/their children's studies
	PTPTNX'tra	PTPTNX'tra helps cover the remaining shortfall that is not covered by PTPTN. Students can effectively pay nothing until they graduate and enjoy an education loan with a minimal interest rate of 1%
	EduFlex	Designed for Adult Learners, students can leverage on our education loan with a minimal 4% interest
	0% Installment	We offer a 0% interest monthly instalment plan, so that you don't have to break the bank.
	HRDC-Claimable	All our programmes are claimable under HRD Corp

Please refer to specific programme details

WHY STUDY COMPUTING OR INFORMATION TECHNOLOGY?

Do you see yourself designing and creating software systems? Information Technology (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 technology 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 are 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!

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 USD 142,000 per year.
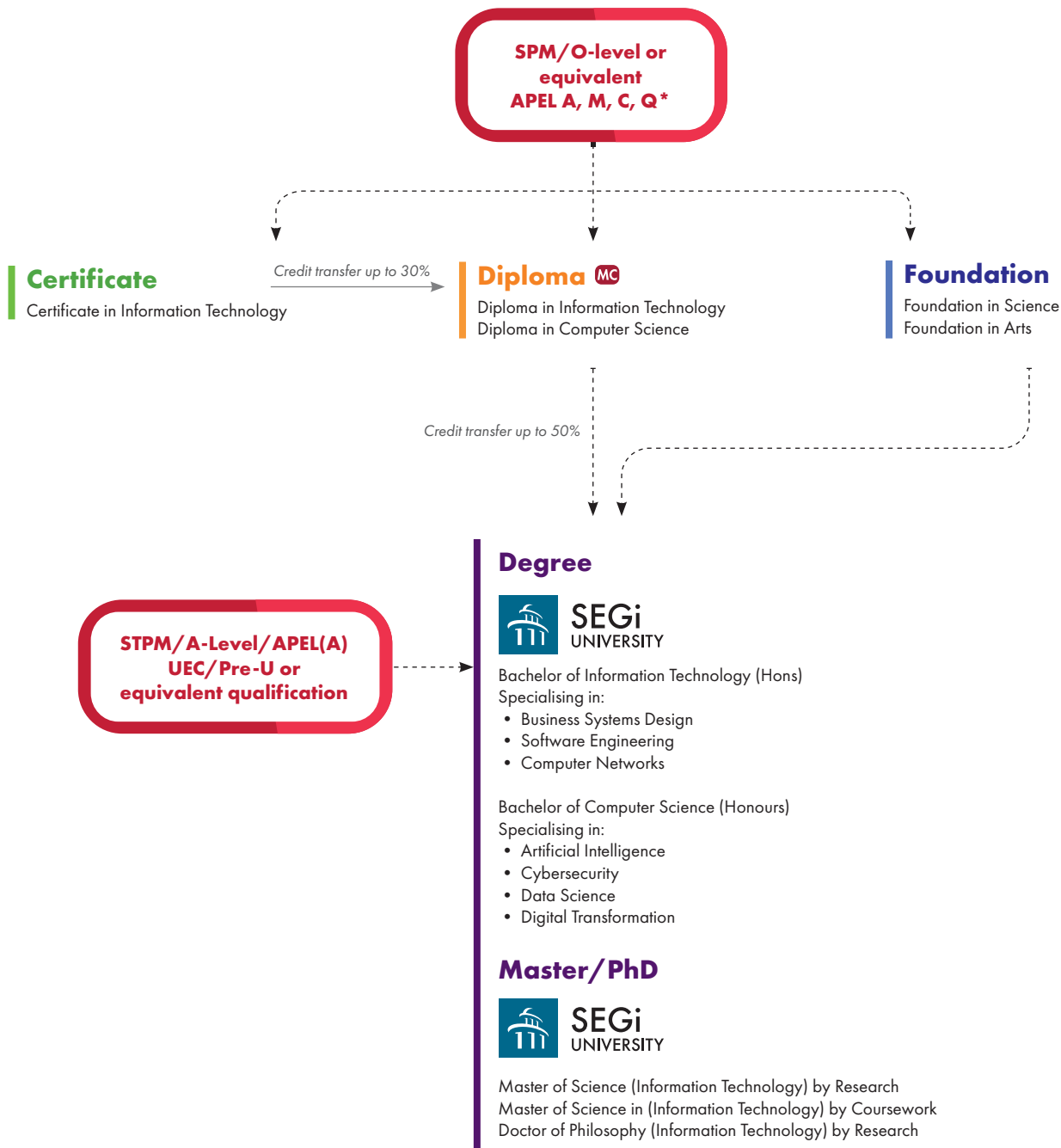
Develop transferable skills

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!

Change the world

IT and Computing drives 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.

STUDY ROUTE

SPM/O-level or equivalent APEL A, M, C, Q*

Credit transfer up to 30%

Certificate
Certificate in Information Technology

Diploma (MC)
Diploma in Information Technology
Diploma in Computer Science

Foundation
Foundation in Science
Foundation in Arts

Credit transfer up to 50%

STPM/A-Level/APEL(A) UEC/Pre-U or equivalent qualification

Degree

SEGi UNIVERSITY

Bachelor of Information Technology (Hons)
Specialising in:
• Business Systems Design
• Software Engineering
• Computer Networks

Bachelor of Computer Science (Honours)
Specialising in:
• Artificial Intelligence
• Cybersecurity
• Data Science
• Digital Transformation

Master/PhD

SEGi UNIVERSITY

Master of Science (Information Technology) by Research
Master of Science in (Information Technology) by Coursework
Doctor of Philosophy (Information Technology) by Research

Credit Transfer
Your previous studies and qualifications may earn you credits towards your diploma or degree. The award of credits is given on the basis of subject mapping and grades achieved. The maximum transferable credits you may earn for a previous academic qualification could be 50% of the total credits for 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 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 rebundled into accredited and recognised qualifications.

PROGRAMME MATRIX

Programme	Awarding Institution	Entry Requirements	Campus
Bachelor of Information Technology (Hons) Specialising in: • Computer Networks • Software Engineering • Business Systems Design KD (R3/0611/6/0080)(12/31)(MQA/A10376) ODL (N-DL/0611/6/0083)(07/31)(MQA/PA17448)	SEGi University	• A-Level – pass with 2 principals and credit in Mathematics for O-Level • UEC – pass with Grade B in 5 subjects (including Mathematics) • Pass in STPM with a minimum Grade of C (GP 2.00) in any TWO (2) subjects • Matriculation or Foundation - min. CGPA of 2.0 AND credit in Mathematics at SPM level • STPM – minimum grade of C (GP 2.00) in any TWO (2) subjects AND credit in Mathematics at SPM level • Diploma in Computing fields (Level 4, MQF) or equivalent with a minimum CGPA of 2.50. Candidates with a CGPA below 2.50 but more than 2.00 may be admitted subject to a thorough rigorous assessment • Diploma (Level 4, MQF) in Non-Computing with a minimum CGPA of 2.75. Candidates with a CGPA below 2.75 but more than 2.50 can be admitted subject to a thorough rigorous assessment AND credit in Mathematics at SPM level • Other relevant Diploma - with min. CGPA of 2.5 and a credit in Mathematics for SPM • International Students - minimum of Band 3.5 in MUET or equivalent to CEFR (High B1) (International Students)	Kota Damansara
Bachelor of Computer Science (Honours) specialising in: • Artificial Intelligence • Cybersecurity • Data Science • Digital Transformation KD (N/0613/6/0009)(12/27)(MQA/PA16019) ODL (N-DL/0613/6/0092)(07/29)(MQA/PA17445)		• Pass Matriculation or Foundation - min. CGPA of 2.0 AND credit in Add Math at SPM level or equivalent • Pass in STPM (Art Stream) with a minimum Grade of C (GP 2.00) in any TWO (2) subjects AND credit in Add Math at SPM level or equivalent • A pass in STPM (Science Stream) or its equivalent with a minimum Grade of C (GP 2.00) in Mathematics subject and ONE (1) Science / ICT subject • Any Diploma in Science and Technology (Level 4, MQF) with a minimum CGPA of 2.75. Candidates with a CGPA below 2.75 but more than 2.50 may be admitted subject to a thorough rigorous assessment AND credit in Add Math at SPM level or equivalent • Diploma in Computing fields (Level 4, MQF) or its equivalent with a minimum CGPA of 2.50 Candidates with a CGPA below 2.50 but more than 2.00 may be admitted subject to a thorough rigorous assessment • A-Level – pass with 2 principals and credit in Add Maths for O-Level • UEC - pass with Grade B in 5 subjects (including Add Maths) • International Students - minimum of Band 3.5 in MUE	

Programme	Awarding Institution	Entry Requirements	Campus
Diploma in Information Technology KD (R3/0611/4/0051)(04/29)(A10294) SJ (R3/0611/4/0088)(04/27)(A7756) KL (R3/0611/4/0224)(09/28)(A9341) PG (R3/481/4/0264)(10/28)(A9340) SWK (R3/483/4/0408)(01/29)(A9765) ODL (N-DL/0611/4/0083)(05/29)(MQA/PA17275)	SEGi College	• SPM/O-Level with 3 credits (including Mathematics); OR • Any equivalent qualification with 3 credits (including Mathematics); OR • UEC with Grade B in subjects (including Mathematics) • Other equivalent qualifications that recognised by the Malaysian Government.	Kota Damansara Kuala Lumpur Subang Jaya Penang Sarawak
Diploma in Computer Science KD (N/481/4/0834)(11/28)(MQA/PA15040) KL (R/0613/4/0042)(08/28)(PA9727)		English Requirement for International Students • IELTS (5.0) OR its equivalent Additional Requirements Credit in Maths at SPM / O-Level or equivalent	Kota Damansara Kuala Lumpur
Certificate in Information Technology KD (N/0611/3/0012)(10/28)(MQA/PA16941) SJ (R2/0611/3/0027)(02/26)(MQA/FA0295) KL (R3/0611/3/0008)(01/29)(A9473) PG (N/0611/3/0016)(03/29)(MQA/PA17294)		• SPM / O-Level or equivalent with 1 credit • UEC with 1 credit • SKM Level 2 • MQA-APEL T3 Additional Requirements Pass in Maths at SPM / O-Level or equivalent	Kota Damansara Kuala Lumpur Subang Jaya Penang
Foundation in Science KD (R2/010/3/0356)(07/25)(MQA/A4432) SJ (R3/0011/3/0083)(04/28)(A7755) ODL (N-DL/010/3/0024)(02/26)(MQA/PA14176)	SEGi University / SEGi College	• SPM/O-Level - min. 5 credits including Mathematics and 2 Science subjects • UEC – min. B in 3 subjects including Mathematics & 2 Science subjects	Kota Damansara Subang Jaya
Foundation in Arts KD (R2/010/3/0406)(07/26)(MQA/FA0193) SJ (R2/0011/3/0082)(07/26)(MQA/FA0452) ODL (N-DL/010/3/0025)(02/26)(MQA/PA14175)		• SPM/O-Level or equivalent – min. 5 credits • UEC – min. B in 3 subjects	Kota Damansara Subang Jaya

ENGLISH REQUIREMENTS*

Types of Exam	Diploma	Degree	Master
IELTS	Band 5.5	Band 6.0	Band 6.5
TOEFL iBT	42	46	60
Cambridge English	154	160	169
Pearson Test	47	51	59
Linguaskill Cambridge	154 - 161	169 - 175	176 - 179
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/engentry

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.

BACHELOR OF
INFORMATION TECHNOLOGY (HONS)

KD (R3/0611/6/0080)(12/31)(MQA/A10376) • ODL (N-DL/0611/6/0083)(07/31)(MQA/PA17448)

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

SEGi UNIVERSITY

Specialising in:
1. Business Systems Design
2. Computer Networks
3. Software Engineering

Programme Modules

Year 1
- Discrete Structure
- Internet of Things
- Network and Data Communication
- Programming Fundamentals
- Operating Systems
- Database Fundamentals
- Systems Analysis and Design
- Software Fundamentals
- System Paradigms
- Integrated Systems Technology
- Cloud Computing
- Web and Mobile Systems

Year 2
- Information and Cyber Security
- Ethical Hacking C|EH
- Data Mining
- IT Professional Practice
- Big Data Analysis
- Academic Research
- Entrepreneurship Environmental
- Management and Technology

Year 3
- Final Year Project 1
- Final Year Project 2
- User Experience Design
- Information Management
- Project Management
- Computer Architecture
- Industrial Attachment

MPU
- Falsafah dan Isu Semasa (for local & international students)
- Penghayatan Etika & Peradaban (for local students only)
- Bahasa Melayu Komunikasi 2 (for international students only)
- Bahasa Kebangsaan A (for local students without credit for BM in SPM) or Effective Listening
- Integrity and Anti-Corruption (Local and International Students)
- Co-Curiculum: Sustainability Thinking (for local & international students)

Specialisation

1. Business Systems Design
- Software Process Life Cycle
- Digital Transformation Strategy
- Digital Business Consultancy
- Data Modelling ORACLE
- ICT Services Management

2. Computer Networks
- Wireless and Mobile Networks
- Network Design and Architecture
- Enterprise Networking
- Network and Systems Administration
- Advanced Networking

3. Software Engineering
- Software Process Life Cycle
- Software Requirements and Design
- Software Testing
- Data Modelling
- Artificial Intelligence

SUSTAINABLE DEVELOPMENT GOALS
6. Clean Water And Sanitation
8. Decent Work And Economic Growth
9. Industry, Innovation And Infrastructure
11. Sustainable Cities And Communities

9 PILLARS OF TECHNOLOGICAL ADVANCEMENT
A. Advanced Robotics
D. Industrial Internet of Things
E. Cybersecurity
F. Cloud
I. Big Data Analytics

Mode of Study
- Full time
- Weekend
- Open and Distance Learning

Career Opportunities

As graduates from the Bachelor of Information Technology (Hons) programme, you will be able to identify and take advantage of business opportunities both locally and globally, demonstrating your conduct that's consistent with business ethics and local culture.

Additional Certifications*:

BACHELOR OF
COMPUTER SCIENCE (HONOURS)

KD (N/0613/6/0009)(12/27)(MQA/PA16019) • ODL (N-DL/0613/6/0092)(07/29)(MQA/PA17445)

MICRO-CREDENTIALS   APEL. A/M/C   MOBILITY

SEGi UNIVERSITY

Specialising in:
1. Artificial Intelligence
2. Cybersecurity
3. Data Science
4. Digital Transformation

Programme Modules

Year 1
- Discrete Structure
- Internet of Things
- Network and Data Communication
- Programming Fundamentals
- Operating Systems
- Database Fundamentals
- Systems Analysis and Design
- Game Programming
- Algorithms and Complexity
- Intelligent System
- System Fundamental
- Web and Mobile Systems

Year 2
- Information and Cyber Security
- Software Engineering
- Graphic and Visualization
- Computer Architecture
- Academic Research
- Entrepreneurship
- Software Development

Year 3
- Final Year Project 1
- Final Year Project 2
- Big Data Analysis
- Human Computer Interaction
- Social Issues and Professional Practice
- Industrial Attachment

MPU
- Falsafah dan Isu Semasa
  (for local & international students)
- Penghayatan Etika & Peradaban
  (for local students only)
- Bahasa Melayu Komunikasi 2
  (for international students only)
- Bahasa Kebangsaan A
  (for local students without credit for BM in SPM)
  or Effective Listening
- Integrity and Anti-Corruption
  (Local and International Students)
- Co-Curriculum: Sustainability Thinking
  (for local & international students)

Specialisation

1. Artificial Intelligence
- Data Mining
- Expert Systems
- Robotic Process Automation
- Data Analysis Programming
- Robotic and Autonomous Systems
- Natural Language Processing
- Deep Learning

2. Cyber Security
- Cloud Computing
- Computer Forensic
- Ethical Hacking
- Network and Security
- Threat Intelligence
- Blockchain Security
- Deep Learning

3. Data Science
- Data Mining
- Data Modelling ORACLE
- Robotic Process Automation
- Data Analysis Programming
- Machine Learning
- Natural Language Processing
- Deep Learning

4. Digital Transformation
- Digital Transformation Strategy
- Data Modelling
- Enterprise Architecture and Digital
- Data Analysis Programming
- Enterprise Systems and ERP
- Natural Language Processing
- Digital Technologies and Innovation

SUSTAINABLE DEVELOPMENT GOALS
6. Clean Water And Sanitation
8. Decent Work And Economic Growth
9. Industry, Innovation And Infrastructure
11. Sustainable Cities And Communities

9 PILLARS OF TECHNOLOGICAL ADVANCEMENT
A. Advanced Robotics
B. Simulation & Augmented Reality
D. Industrial Internet of Things
E. Cybersecurity
F. Cloud
G. Additive Manufacturing
H. Supply Chain
I. Big Data Analytics

Mode of Study
- Full time
- Weekend

Career Opportunities

On completion of the programme, students will have the skills suitable for a wide range of careers concerned with IT and cybersecurity, in various sectors. Career opportunities includes; Network and Computer Systems Administrator, Computer System Analyst, Operations Research Analyst, Information Security Officer, Software Developer, Computer Forensic Engineer, Cryptographer, Penetration tester, Security Analyst, Security Software Developer, and Security Code Auditor.

Additional Certifications*:

DIPLOMA IN
COMPUTER SCIENCE

KD (N/481/4/0834)(11/28)(MQA/PA15040) • KL (R/0613/4/0042)(08/28)(PA9727)

MICRO-CREDENTIALS   APEL. A/M/C   MOBILITY

Programme Modules

Year 1
- Statistics and Probability
- Programming Fundamentals
- Database Fundamentals
- Data Communication and Networking
- Data Structures and Algorithms
- Calculus and Algebra
- System Analysis and Design Fundamentals
- Web and Mobile Systems
- Operating Systems
- Cloud Computing
- Object-Oriented Development
- Artificial Intelligence

Year 2
- Computer Architecture
- Software Development Fundamentals
- Phyton Programming
- Human-Computer Interaction
- Data Science
- Discrete Mathematics
- Cybersecurity Fundamentals
- Data Mining
- Integrated Systems Project
- Industrial Attachment

MPU
- Penghayatan Etika dan Peradaban
- Bahasa Melayu Komunikasi 1
  (for international students)
- Bahasa Kebangsaan A
  (for Malaysian students without credit for BM in SPM) or Growth Mindset
- Co-curriculum: Sustainability Thinking
- Integrity and Anti-Corruption

SEGi COLLEGE

in collaboration with

SAS
THE POWER TO KNOW®

Mode of Study
- Full time
- Weekend

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.

Additional Certifications*:

HUAWEI Information Network Academy | C|EH Certified Ethical Hacker | Apple Education Community | ORACLE | Java | Google Cloud

EMPOWERING
PROGRAMMERS & COMPUTING
ENGINEERS OF THE FUTURE

- Learn practical skills from the industry
- Strong emphasis on programming
- Guaranteed* to Year 2 entry
  (for Degree Programmes)

* Terms & Conditions apply

BE AN AGILE
TECHNICAL
PROFESSIONAL

- Learn practical skills from the industry
- IR4.0 enhanced syllabus
- Guaranteed* to Year 2 entry
  (for Degree Programmes)

* Terms & Conditions apply

DIPLOMA IN
INFORMATION TECHNOLOGY

KD (R3/0611/4/0051)(04/29)(A10294) • SJ (R3/0611/4/0088)(04/27)(A7756) • KL (R3/0611/4/0224)(09/28)(A9341) • PG (R3/481/4/0264)(10/28)(A9340) • SWK (R3/483/4/0408)(01/29)(A9765) • ODL (N-DL/0611/4/0083)(05/29)(MQA/PA17275)

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

Programme Modules

Year 1
- Statistics and Probability
- Programming Fundamentals
- Database Fundamentals
- Data Communication and Networking
- Internet of Things
- Calculus and Algebra
- System Analysis and Design Fundamentals
- Web and Mobile Systems
- Operating Systems
- Cloud Computing Google
- Object-Oriented Development
- Advanced Networking

MPU
- Penghayatan Etika dan Peradaban
- Bahasa Melayu Komunikasi 1
  (for international students)
- Bahasa Kebangsaan A
  (for Malaysian students without credit for BM in SPM) or Growth Mindset
- Co-curriculum: Sustainability Thinking
- Integrity and Anti-Corruption

Year 2
- Computer Architecture
- System Paradigms
- Phyton Programming
- User Experience Design
- Project Management
- Discrete Mathematics
- Cybersecurity Fundamentals
- Ethics in Computing
- Integrated Systems Project
- Industrial Attachment

Concentration (choose 2 only)
- Big Data Technology
- Introduction to Artificial Intelligence Google
- Cybersecurity
- Introduction to Phyton Programming
- Introduction to Machine Learning
- Ethical Hacking

SEGi COLLEGE

Mode of Study
- Full time
- Weekend

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.

Additional Certifications*:

HUAWEI Information Network Academy | C|EH Certified Ethical Hacker | Apple Education Community | ORACLE | Java | Google Cloud

CERTIFICATE IN INFORMATION TECHNOLOGY

KD (N/0611/3/0012)(10/28)(MQA/PA16941) • SJ (R2/0611/3/0027)(02/26)(MQA/FA0295) • KL (R3/0611/3/0008)(01/29)(A9473) • PG (N/0611/3/0016)(03/29)(MQA/PA17294)

FULLY ACCREDITED   **MICRO-CREDENTIALS**   **APEL. A/M/C**   **MOBILITY**

Programme Modules

Year 1
- Basic Mathematics for Computing
- Programming Fundamentals
- Operating Systems Fundamentals
- Database Fundamentals
- Network and Data Communications
- Systems Analysis and Design
- Computer Applications
- Advanced Networks
- Computer Architecture Fundamentals
- UX Design Fundamentals
- Fundamental to Cybersecurity
- Web and Mobile Design
- Systems Procurement
- Integrated Systems

Year 2
- Internship

MPU
- Pengajian Malaysia
  (for Malaysian students)
- Bahasa Melayu Komunikasi 1
  (for international students)
- Bahasa Kebangsaan A
  (for local students without credit for BM
  in SPM) or Public Speaking Skills

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

Mode of Study
- Full time
- Weekend

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.

SEGi COLLEGE

BUILDING A STRONG FOUNDATION FOR INFORMATION TECHNOLOGY

- Pathway to an IT-related Diploma
- Flexible payment scheme for Cert-Diploma Pathway

DISCOVER YOUR PASSION IN INFORMATION TECHNOLOGY
WHILE KEEPING YOUR OPTIONS OPEN

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

FOUNDATION IN SCIENCE

KD (R2/010/3/0356)(07/25)(MQA/A4432) • ODL (N-DL/010/3/0024)(02/26)(MQA/PA14176)

Programme Modules

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

Elective (by Specialisation)*

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

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

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

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

FOUNDATION IN SCIENCE

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

Programme Modules

- Chemistry I
- Mathematics I
- Physics I
- Biology I
- English I
- Chemistry II

- Mathematics II
- Physics II
- Basic Information and
  Communication Technologies (ICT)
- English II
- Chemistry III

- Engineering Mathematics
- Physics III
- Biology II
- Biochemistry
- Thinking Skills

Why study this programme?

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

A FOUNDATION

WITH THE WIDEST PATHWAYS

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

FOUNDATION IN ARTS

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

Programme Modules

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

Electives

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

Communication Studies/ English & PR
- Interpersonal Communication
- Intercultural Communication
- Fundamental Photography
- Information Technology
- Introduction to Marketing

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

Quantity Survey/Hospitality/ Education/Psychology
- Information Technology
- Interpersonal Communication
- Fundamentals of Management
- Introduction to Marketing
- Intercultural Communication

Creative Design/Architecture/ Interior Architecture
- Colour & Form
- Drawing Fundamentals
- Fundamental Photography
- Intercultural Communication
- Interpersonal Communication

Why study this programme?

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

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

SUSTAINABLE DEVELOPMENT GOALS

1 NO POVERTY	2 ZERO HUNGER	3 GOOD HEALTH AND WELL-BEING	4 QUALITY EDUCATION	5 GENDER EQUALITY	6 CLEAN WATER AND SANITATION
7 AFFORDABLE AND CLEAN ENERGY	8 DECENT WORK AND ECONOMIC GROWTH	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE	10 REDUCED INEQUALITIES	11 SUSTAINABLE CITIES AND COMMUNITIES	12 RESPONSIBLE CONSUMPTION AND PRODUCTION
13 CLIMATE ACTION	14 LIFE BELOW WATER	15 LIFE ON LAND	16 PEACE, JUSTICE AND STRONG INSTITUTIONS	17 PARTNERSHIPS FOR THE GOALS	

9 PILLARS OF TECHNOLOGICAL ADVANCEMENT

Cybersecurity

Operation in networks and open systems

High level of networking between intelligent machines, products and systems

Autonomous Robot

Autonomous, cooperating industrial robots

Numerous integrated sensors and standardised interfaces

Additive Manufacturing

3D printing, particularly for spare parts and prototypes

Decentralised 3D facilities to reduce transport distances and inventory

Industrial Internet of Things

Network of machines and products

Multidirectional communication between networked objects

Cloud

Management of huge data volumes in open systems

Real-time communication for production systems

Horizontal Vertical Integration

Cross-company data integration based on data transfer standards

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

Simulation & Augmented Reality

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

Big Data Analytics

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

Real-time decision-making support and optimisation

Supply Chain

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

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

QS WORLD UNIVERSITY RANKINGS

QS Overall OUTSTANDING ★★★★★+

SETARA

MyQUEST

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

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

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

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

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

SEGi University Regional Centre, Johor Bahru
📞 607 235 9188　　💬 010 313 0303

SEGi Admissions and Support Centre, Ipoh
💬 016 212 9736

The best in you, made

POSS▌BLE

segi.edu.my

Chat with us today!
SCAN HERE