

TECHNOLOGY & INNOVATION



1st
Malaysian University
that earned 5★ for Prioritizing
Society's Needs in Malaysia
- by QS Stars



SEGi
University



INTRODUCTION TO SEGi UNIVERSITY

SEGi was established in 1977 as Systematic College in the heart of Kuala Lumpur offering professional qualifications. Since its founding over four decades ago, SEGi has undergone significant growth, strengthening the quality of its wide range of programmes from foundation to doctorate level.

It is one of the most established private higher education institutions in Malaysia with its flagship campus located in Kota Damansara and four other campuses in Subang Jaya, Kuala Lumpur, Penang, and Kuching. Currently, SEGi has a population of 20,000 local and international students across its campuses.

SEGi is recognised as "The first Malaysian University that earned 5 Stars for Prioritising Society's Needs in Malaysia" by QS Stars, an international evaluation system for universities based on auditing.



COLLABORATE WITH WORLD CLASS ICT COMPANIES

From desktops to laptops to PDAs, and mobile phones to satellite TVs and iPads, 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 have become common terms 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, grow businesses, and strengthen and expand social networks.

Technology has made an influential impact on the society today and is well paving the way for what is possible in the future.



CONTENTS

Introduction to SEGi University	2
At a Glance	4
Awards	5
World Renowned University Partners	6
Learning & Teaching	7
We Prioritise Your Needs	8
Study Route	9
Programme Matrix	10
Programme Modules	11 - 13
Student Testimonials	14
Faculty Events & Industry Partners	15

AT A GLANCE

GLOBAL RECOGNITION

- Double Awards from Top 3.3% of Universities Worldwide (The Centre for World University Rankings 2017 (CWUR) University of Central Lancashire (UCLAN)
- MQA Fully-Accredited Programmes
- 2017 QS Overall 3-star rating with 5-star rating in teaching, facilities, social responsibility, and inclusiveness

SCHOLARSHIPS

- 1st Malaysian University that earned 5 Stars for Prioritising Society's Needs in Malaysia (by QS Stars)
- Over RM100 million worth of Group scholarships awarded in the past 40 over years
- QS 5 Stars rated for inclusiveness and social responsibility

EXCELLENT TEACHING, LEARNING & RESEARCH

- QS 5 Stars Rated for Excellence in Teaching
- QS 5 Stars Rated for Facilities
- SETARA, 2017 scored above medium of 83 in the category of Teaching and Learning
- Independent students' 2017 evaluation rating: more than 95% of students rated our lecturers for excellence in teaching
- Student to academic staff ratio 21:1, based on SETARA (2017)
- Research-led environment

GLOBALLY RECOGNISED, DISTINCTIVELY SEGi. OUR **6** COMPETITIVE ADVANTAGES



SKILLS ENRICHMENT & SUPPORT

- More than 100 SEGi Enrichment Programmes in the areas of leadership, communication, and grooming skills (among others) to enhance students' learning experience
- Academic Skills Unit to assist students in academic writing and effective study, research techniques, time management, academic integrity, and exam preparation
- Mentor-Mentee system to provide guidance to students on academic matters and to foster a close and constructive professional relationship between students and lecturers
- Technology-supported learning using the Blackboard learning management system

STUDENT SATISFACTION

- 80% of students are willing to recommend their friends and family to study with us

INDUSTRY DRIVEN GRADUATES

- 2017 SETARA Graduate Employability 85%



WORLD RENOWNED UNIVERSITY PARTNERS

SEGi partners with international universities of great repute to offer a globalised learning experience for our students. Programmes offered by our university partners are regulated by them on a regular basis, thus ensuring the exact same quality of education that students will obtain at their home base.

UNITED KINGDOM



University of Central Lancashire

The University of Central Lancashire is one of the largest universities in the UK which hosts about 25,000 students. This public university, located in Preston, Lancashire, England was founded as the Institution for the Diffusion of Knowledge in 1828 and became a university in 1992. Imbued with a celestial-sounding motto, 'Ex solo ad solem', which translates 'From the Earth to the Sun', the vastness of the university's portfolio includes over 400 undergraduate programmes and 200 postgraduate courses. Hailed for its high student satisfaction in the recent international Student Barometer survey, its impressive reputation as a regional economy powerhouse testifies to over 1,000 students and graduates who have started a business or embarked on self-employment.

LEARNING & TEACHING

PARTNERSHIPS WITH INDUSTRY LEADERS

SEGi University establishes strong links with key industry players from a wide range of fields to provide access to internships and job opportunities for our students.

CUTTING-EDGE COMPUTER LABS

We pride ourselves on providing the latest computer technology for the students. At SEGi Tower, the Mac computers are installed with various software programmes to provide a comprehensive learning experience for our students.

PANOPTO LECTURES

We offer an easy-to-use tool known as Panopto that allows simultaneous capture of audio and video in lecture classes, making it convenient for later viewing to aid students in the learning process.

100% EMPLOYMENT

Our highly competent graduates are in demand and 100% of our graduates secured employment within six (6) of graduation.

WORKFORCE DEVELOPMENT PROGRAMME

The Workforce Development Programme (WDP) prepares a new generation of IT talents from SEGi University & Colleges to enter the global workforce with the most in-demand Oracle skills.

GLOBAL PARTNERSHIPS WITH WORLD-WIDE UNIVERSITIES

We work with some of the most prestigious universities to develop a knowledge-rich and industry-relevant curriculum for our collaborative and double degree programmes.

TOP-NOTCH RESOURCES

FOR A QUALITY LEARNING EXPERIENCE



WE PRIORITISE YOUR NEEDS

SEGi CONNECT!

(Located at 1st and 2nd Floor)

We ensure your first experience of stepping into the next chapter of your life is as smooth and memorable as possible! From the moment you come into SEGi for your registration, we will be there to guide you through the whole process. We are with you even before you enter your first class, and we will be in contact continually throughout your studies until we know you are fine on your own.

ACADEMIC LEARNING SUPPORT

(Located At 2nd Floor)

Our Academic Skills Unit (ASU) was established to provide learning support and academic enhancement services for students. Our services include:

- assignment-writing
- thesis-construction
- language proficiency
- research brain-storming studying skills

EMPLOYMENT READINESS PROGRAMME

(By Student Affairs Department)

We provide pre-Internship and pre-employment workshops to instil employment values as you venture from academic to work life.

Our in-house "soft skills" training will prepare you for internship placement and employment upon graduation.

During Your Studies

Before You Graduate

GLOBAL INDUSTRY EXPOSURE

(Your Faculty)

- We enrich your learning experience by exposing you to local and global industry practices.
- We strategically network with industry leaders to foster long-term, multi-dimensional relationships.
- We apply academic expertise to generate socially relevant and high impact research activities with industry and community stakeholders.

STRONG GLOBAL INDUSTRY LINKAGES

(Career Office at 2nd Floor)

- We offer you the opportunity to join more than 1000 companies worldwide.
- There are Career Fair within campus just for you.

MENTOR MENTEE SYSTEM

(Your Lecturers)

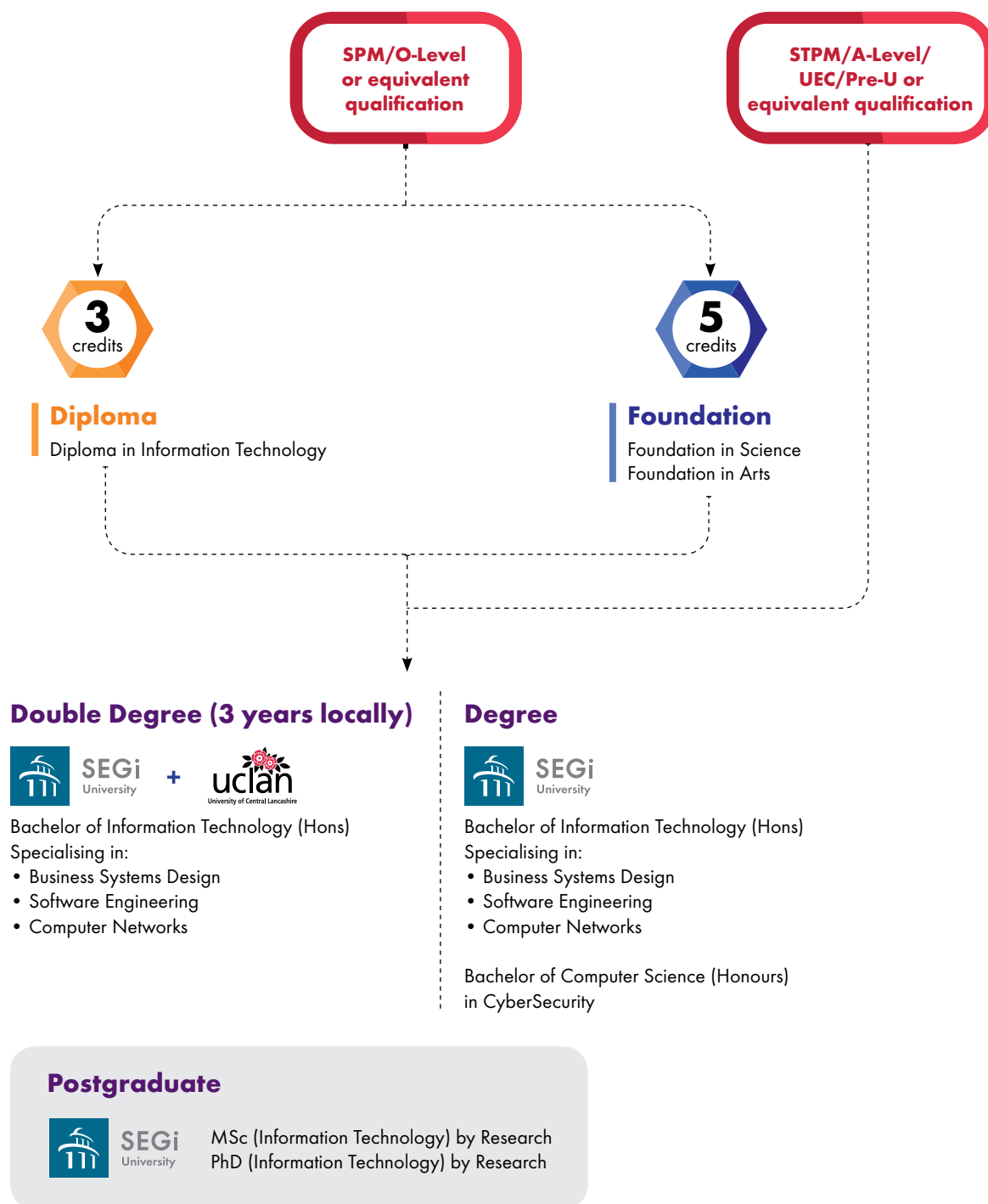
The learning culture in higher education is very different from high school. Mentor-Mentee programme at SEGi University is aimed at guiding you to be independent learners and help you fit into this new culture. It is also a system that helps those who may need more guidance academically.

SEGi ENRICHMENT PROGRAMME

(Every Wednesday Afternoon)

SEGi ENRICHMENT PROGRAMME aims to reduce unemployment issues and ensures our students are industry-ready by providing opportunities to hone their soft skills through more than 100 structured and specially designed seminars, workshops, conferences, symposiums and training sessions, developed based on industry and professional bodies' feedback.




STUDY ROUTE



All diploma and degree programmes require students to take 4 compulsory general subjects, as required by the Ministry of Education Malaysia.

The above is an indication of current programme content. However, the rapidly changing nature of the subject area means that the courses offered and individual course content are continuously updated to meet industry needs. Also, please note that certain combinations of options may not be available.

PROGRAMME MATRIX

Programme	Awarding Institution	Entry Requirements
Bachelor of Information Technology (Hons)	<p>SEGi University and University of Central Lancashire, UK</p> <p>Single Degree</p> <p> SEGi University</p> <p>Double Degree</p> <p> SEGi University</p> <p> uclan University of Central Lancashire</p> <ul style="list-style-type: none"> • Business Systems Design • Software Engineering • Computer Networks 	<ul style="list-style-type: none"> • Pass Matriculation Programme or Foundation Level with minimum CGPA of 2.0 and a credit in Mathematics for SPM; OR • 2 Principal Passes for STPM and a credit in Mathematics for SPM; OR • Pass in IT Diploma programmes; Computer Science, Information System, Information Technology, and Software Engineering with minimum CGPA of 2.5 or equivalent qualification and a credit in Mathematics for SPM; OR • Other relevant Diploma with minimum CGPA of 2.5 and a credit in Mathematics for SPM; OR • Pass A-Level with 2 Principals Passes and credit in Mathematics for O-Level; OR • UEC with Grade B in 5 subjects (including Mathematics) <p>English Requirement for International Students</p> <ul style="list-style-type: none"> • Malaysian University English Test (Muet) Band 3 OR IELTS (5.0) OR TOEFL PBT (410 - 413) OR TOEFL iBT (34)
Bachelor of Computer Science (Honours) in CyberSecurity	SEGi University	<ul style="list-style-type: none"> • 2 grade Cs for STPM and credit in Add Maths for SPM/grade C in Add Maths for STPM; OR • Jayyid level for STAM and credit in Add Maths for SPM; OR • Pass Matriculation Programme or Foundation level with minimum CGPA of 2.0 and credit in Add Maths for SPM; OR • 5 grade Bs for UEC inclusive of Add Maths; OR • Pass IT Diploma programmes: Computer Science, Information Systems, Information Technology, and Software Engineering with minimum CGPA of 2.5 or equivalent qualification with credit in Add Maths for SPM • Any equivalent qualification that is approved by the Malaysian Government <p>English Requirement for International Students</p> <ul style="list-style-type: none"> • Malaysian University English Test (Muet) Band 3 OR IELTS (5.0) OR TOEFL PBT (410 - 413) OR TOEFL iBT (34)
Diploma in Information Technology	SEGi College	<ul style="list-style-type: none"> • SPM/SPM(V)/O-Level with 3 credits (including Mathematics); OR • Any equivalent qualification with 3 credits and including a credit Mathematics or Additional Mathematics; OR • UEC with Grade B in subjects (including Mathematics) • Other equivalent qualifications that recognised by the Malaysian Government. <p>English Requirement for International Students</p> <ul style="list-style-type: none"> • Malaysian University English Test (Muet) Band 3 OR IELTS (5.0) OR TOEFL PBT (410 - 413) OR equivalent.
Foundation in Science	SEGi University & SEGi College	<ul style="list-style-type: none"> • SPM/O-Level or equivalent (minimum 5 credits including Mathematics & Science subjects)
Foundation in Arts		<ul style="list-style-type: none"> • Passed SPM/'O' Level or equivalent (Minimum 5 credits)

BACHELOR OF INFORMATION TECHNOLOGY (HONS)

SEGi UNIVERSITY & UNIVERSITY OF CENTRAL LANCASHIRE, UK

Specialising in:

- **Business Systems Design**

Double Degree Award in collaboration with University of Central Lancashire, UK.

- **Software Engineering**

Double Degree Award in collaboration with University of Central Lancashire, UK.

- **Computer Networks**

Double Degree Award in collaboration with University of Central Lancashire, UK.

Our programme enables you to develop higher level of entrepreneurial and cognitive skills beyond knowledge and understanding, where focus is given to the competency of analysis, synthesis, creativity, and evaluation whilst developing other transferable skills such as problem solving, communication, and interaction. You'll be well prepared with a range of practical, business, and personal skills for the many specialist roles within the ICT and business sectors.

Our programme provides you with the opportunity to gain professional certifications, including Java, Oracle, and EC council.

Single Degree



Double Degree



Programme Modules

Year 1	Year 2	Year 3
<ul style="list-style-type: none"> ■ Discrete Mathematics ■ Introductory Programming ■ Systems Analysis and Design ■ Database Systems ■ Academic English ■ Introduction to Networks ■ Object-Oriented Programming ■ Introduction to Operating Systems ■ Commercial Applications and IT ■ Effective Listening ■ TITAS (Local Student) ■ Hubungan Etnik (Local Student) ■ Malaysian Studies 3 (International Student) ■ Bahasa Melayu Komunikasi 2 (International Student) 	<ul style="list-style-type: none"> ■ Academic Research ■ Business Ethics ■ Entrepreneurship ■ Business Online ■ Environmental Management and Technology ■ Client-Focused Business Solution ● ■ Management Information Systems ● ■ Programming for Mobile Devices ● ■ Networks and Communications ● ■ Web Services ● ■ Wireless Communications ● ■ Business Computing Strategy ● ■ Information Systems Security ●● ■ Web Authoring ●● ■ Introductory Software Engineering ●● ■ Advanced Programming ●● ■ Web Project ■ Windows Programming ■ Pengurusan Ko-kurikulum ■ Personal Health Management 	<ul style="list-style-type: none"> ■ Final Year Project 1 ■ Final Year Project 2 ■ Project Management ■ Human Computer Interaction ■ Industrial Attachment ■ Networks and Systems Administration ● ■ Artificial Intelligence ● ■ ICT Service Management ● ■ Advanced Networks ● ■ System Development Methods ●● ■ Advanced Database Systems ■ Computer Architecture ■ Advanced Database Systems

Note: Compulsory for specialisation
 ● denotes Business Systems Design
 ● denotes Computer Networks
 ● denotes Software Engineering

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.

BACHELOR OF COMPUTER SCIENCE (HONOURS) IN CYBERSECURITY

SEGi UNIVERSITY

This programme enables you to develop skills and knowledge in Cybersecurity. Cybersecurity is the practice of protecting systems, networks, and programs from digital attacks or Cyberattacks. This programme will enable you to prepare a higher level of entrepreneurial and cognitive skills beyond knowledge and understanding and gain hands-on experience configuring various security solutions.

Our programme provides you with the opportunity to gain professional certifications, including EC Council and Huawei.



Programme Modules

Semester 1

- Discrete mathematics
- Database Systems
- Introductory Programming
- Computer Architecture
- Malaysian Studies
(for International students only)
- Hubungan Etnik (for Local students only)
- Elective Module 1

Semester 2

- Introduction to Networks
- Systems Analysis and Design
- Object-Oriented Programming
- Human Computer Interaction
- Computing Mathematics
- Bahasa Melayu Komunikasi 3
(for International students only)
- Tamadun Islam & Tamadun Asia Tenggara
(for Local students only)
- Elective Module 2

Semester 3

- Effective Listening
- Personal Health Management
- Academic English

Semester 4

- Data Structures and Algorithms
- Introduction to Operating Systems
- Web Project
- Introductory Software Engineering
- Pengurusan Ko-Kurikulum

Semester 5

- Artificial Intelligence
- Networks and Communications
- Software Security
- Wireless Communication
- Entrepreneurship

Semester 6

- Environmental Management and Technology Academic Research
- Languages & Compilers

Semester 7

- Information Systems Security
- Networks and Systems Administration
- Advanced Database Systems
- Internet of Things
- Final Year Project 1
- Elective Module 3

Semester 8

- Business Ethics
- Ethical Hacking and Systems Defence
- Computer Forensic
- Final Year Project 2

Semester 9

- Industrial Attachment

Elective Modules

- Web Authoring
- Biometric Technology
- Cyber Warfare
- Security Strategies
- Programming for Mobile Devices
- Client-Focused Business Solution

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 opportunity includes; Network and Computer Systems Administrators, Computer Systems Analysts, Operations Research Analysts, Information Security Officer, Software Developers, Computer Forensic Engineer, Cryptographer, Penetration tester, Security Analyst, Security Software Developer, and Security Code Auditor.

DIPLOMA IN INFORMATION TECHNOLOGY

IT professionals are trained to perform different duties that range from data management, computer networking, 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 the IT industry. Furthermore, you will develop skills required for integrated databases, system networks, and communication technology within a business context.

Programme Modules

Year 1	Year 2
<ul style="list-style-type: none"> ■ Basic Mathematics for Computing ■ Commercial Application and IT ■ Database Management Systems ■ Programming Methodology ■ Digital Content Development ■ Introduction to Operating System ■ Introduction to Programming Languages ■ Computer Organisation ■ Management Information System ■ System Analysis and Design ■ General Language Training ■ Malaysian Studies (Local Students)/ Bahasa Melayu Komunikasi 2 (International Students) ■ Pengurusan Ko-Kurikulum ■ Integrated Systems Project ■ Industrial Attachment 	<ul style="list-style-type: none"> ■ Introduction to Software Engineering ■ Data Communications and Networking ■ Data Structures and Algorithms ■ Principles of E-Commerce ■ Windows Programming ■ Object Oriented Development ■ Systems Development ■ Web Designing ■ Project Management ■ Conceptual Design & Creativity ■ Academic English ■ Moral Studies (Non-Muslim)/ Islamic Studies (Muslim) ■ Presentation Skills



HAVE YOU HEARD?

100% OF OUR GRADUATES

get employed within a span of
6 months upon graduation.



Career Opportunities

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

FOUNDATION IN SCIENCE

SEGi UNIVERSITY

The foundation programme is designed 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 respective degree programmes.

Programme Modules

Semester 1

- Chemistry 1
- Mathematics 1
- Elective 1 *
- Elective 2 *

Semester 2

- Chemistry 2
- Mathematics 2
- Elective 3 *
- Elective 4 *

Semester 3

- Chemistry 3
- Mathematics 3
- Academic English
- Computer Application
- Elective 5 *

Elective (by Specialisation) *

General

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

Health Sciences

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

Engineering

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

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 science or engineering programmes.

R/010/3/0356(7/25) KD CAMPUS

FOUNDATION IN ARTS

SEGi UNIVERSITY

The foundation year is an introductory programme that will equip students with the skills and knowledge to further their studies locally or internationally. Students are exposed to modules which will allow them to become creative thinkers and problem solvers and produce practical ideas. This programme also enables students to develop a range of practical skills and solid knowledge, preparing them for a smooth progress into a degree of their choice.

Programme Modules

Semester 1

- General Language Training
- Computer Application
- Introduction to Business
- Statistics

Semester 3

- Public Speaking
- Critical Thinking Skills
- Principles of Economics
- Elective 5 *

Semester 2

- Academic English
- Elective 1 *
- Elective 2 *
- Elective 3 *
- Elective 4 *

Electives (Information Technology)

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

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 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 will have to choose the electives according to the discipline of undergraduate studies they intend to pursue.

R/010/3/0406(7/21) KD CAMPUS

STUDENT TESTIMONIALS



"As a recent graduate of SEGi University's Bachelor of Information Technology (Hons) programme, I feel that I have attained a strong foundation in Computer Science which has equipped me with the skills to learn any emerging technology. The Head of School (HoS), lecturers and the faculty staff are very caring and interested in students' well-being. They make sure that every class is fun, educational and interactive, while encouraging students to perform their best. With proper guidance from them as well as the support of my family, I was able to score a 4.0 CGPA and become the highest achiever for the 2015-2018 batch. I wouldn't have been able to achieve this success without that caring environment. As each day passes, I feel that I am one step closer to becoming a successful software engineer that SEGi has equipped me to be."

Unagollage Binod Charukshi Wijesinghe

Bachelor of Information Technology (Hons) - Software Engineering



"There were a lot of strategies and tips that I've learnt while doing this programme. No doubt BIT can be challenging, as it is very technical to an extent. However, I'm glad that I've chosen SEGi as my starting point. My lecturers are great and the tutorials provided in SEGi has guided me a lot during my learning process here. It is important to maintain a positive mental attitude and believe in your capacity to succeed!"

Cheong Chee Yen

1st Class Honours



"My campus life at SEGi has been wonderful, and with such helpful lecturers, I'm looking forward to finishing my programme and experiencing a wholesome environment."

Adam Mohammad Low Bin Johan Thomas Low



"The lecturers at SEGi are relentless at guiding students to achieve excellence throughout the programme. The knowledge and skills taught has helped me obtain the right opportunities to embark on my career journey."

Mohd Syazwan Bin Mohd Hanafie

INDUSTRY LIAISON & STUDENT ACTIVITIES



INDUSTRY PARTNERS

**These are the active industry partners who have been working with us.
We want to thank all these industry partners for their generous partnership with SEGi.**

- | | | | |
|----|----------------------------------|----|---|
| 1 | 99 Speed Mart Sdn Bhd | 13 | Global Business Center Sdn Bhd (DELL) |
| 2 | AEGIS BPO Malaysia Sdn Bhd | 14 | Golden Hope Plantation Berhad |
| 3 | Ageless Brands Sdn Bhd | 15 | Hartamas Real Estate (Malaysia) Sdn Bhd |
| 4 | Avon Cosmetic (M) Sdn Bhd | 16 | Island & Peninsular Bhd |
| 5 | Bandar Utama City Centre Sdn Bhd | 17 | Lumen Properties Sdn Bhd |
| 6 | Brandt International Sdn Bhd | 18 | Malaysia Airlines |
| 7 | Catch That Bus Sdn Bhd | 19 | Nikon (Malaysia) Sdn Bhd |
| 8 | Convergys Malaysia Sdn Bhd | 20 | OSK Holdings Berhad |
| 9 | CTOS DATA SYSTEMS SDN BHD | 21 | OXIM Sdn Bhd (OXCEL Sdn Bhd) |
| 10 | Flexiroam Sdn Bhd | 22 | Pembinaan Mitrajaya Sdn Bhd |
| 11 | Flykidz Gymnastics Sdn Bhd | 23 | Planetpop Marketing Sdn Bhd |
| 12 | Fuji Xerox Printers Distributor | | |



SEGi University Kota Damansara (100589-U)

No. 9, Jalan Teknologi, Taman Sains Selangor, Kota Damansara,
PJU 5, 47810 Petaling Jaya, Selangor Darul Ehsan.

☎ 603 6145 1777

📞 011 1210 6389

The best in you, made

POSSIBLE

The information in this brochure is correct at the time of printing (Dec 2019).
Changes may be made without prior notice. Copyright 2019. All rights reserved.

segiuniversity.edu.my

SCANME



DOWNLOAD OUR FREE APP

