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[segi.edu.my](http://segi.edu.my)
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 developed 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 what is possible in the future.
Awards received by SEGi University & Colleges

- **TECHNOLOGY & INNOVATION**
- 

- **Technology & Innovation**
- 

- **Awards received by SEGi University & Colleges**
- 

- **Reader's Digest Trusted Brand 2014**
  - Services, Private University/College
- **Reader's Digest Trusted Brand 2013**
  - Services, Private University/College

- **World Branding Award**
  - Education – Malaysia
- **Outstanding Innovation Award 2014**

- **Education – Malaysia**
  - **World Branding Award**
  - Education – Malaysia
- **Outstanding Innovation Award 2014**

- **The Edge Billion Ringgit Club 2013**
  - Best Performing Stock Award - Trading & Services
- **3rd Global Leadership Award 2013**
  - Leadership in Educational & Training Excellence
- **Asia Pacific Entrepreneurship Awards 2012**
  - Most Promising Entrepreneur
- **10th Asia Pacific International Honesty Enterprise Keris Award 2011**
- **The BrandLaureate Best Brand Award 2010 - 2011**
  - Education Tertiary Private
SEGi graduates are fully equipped with the skills and tools of the trade essential in facing the challenges of today. These skills carved into everyday practice, prove that SEGians are all-rounders, at the top of their game in all aspects.
We, at SEGi University & Colleges are always on our toes to reinvent strategies, finding innovative ways to make improvements in all areas, ranging from the programmes we offer right down to the nitty-gritty details of the facilities we provide; all this for one main reason – to deliver a superior tertiary education to our students.

Thus far, our efforts are apparent with the establishment of CoE for SEGi University Kota Damansara, concentrating on the Technology & Innovation programmes. The CoE will pave the way for top of the mark graduates while also leading the development and improvement of programmes for the entire Group.

**Esteemed Industry Advisors and Partners**

All efforts carried out by the CoE contribute towards our main goal, which is to deliver a unique and superior tertiary education. It is vital to constantly improve on the quality of our teaching methods and also programmes offered, hence we currently have the privilege of conceiving esteemed Industry Advisors and Partners to contribute their expertise and knowledge.

Currently, we are working hand-in-hand with major industry players of the industry, with experts from Oracle Workforce Development, Microsoft IT Academy and Apple. These Industry Advisors often meet SEGians through seminars, talks and workshops to keep the students well-informed in regards to the current market trend and needs.
Abertay University (AU), United Kingdom

Abertay University (AU) has a long history as one of Scotland’s leading universities. AU has an entrenched reputation for professionalism in offering career-driven higher education. All of AU’s researchers are involved in teaching and developing courses, giving students the chance to learn from the world leaders every day. The University is home to world-leading research teams, whose discoveries are hailed internationally. Abertay researchers are also studying issues as varied as the Scottish economy, food and nutrition science, psychology, computer arts and digital media, and many other topics.

University of Greenwich, United Kingdom

The University of Greenwich (UOG) has a proud and historic tradition of helping students attain academic excellence in a diverse range of disciplines and fields.

Its Educational Development Unit (EDU) is at the centre of activity to maximise the effectiveness of student learning, teaching and assessment at the university. It promotes and encourages innovation and excellence in curriculum design and delivery and act as a catalyst in the growth of networks and collaborations across the institution and into the Higher Education Sector.

The university works closely with a number of colleges, both in the local region and internationally. Through these partnerships the university helps to meet the rising demand for higher education at a local, regional, national and international level.
The variety of high technology facilities available for students to utilise in order to enhance learning experience.

**Apple Mac Computer Lab**
Located at SEGi Tower, the Mac computers are installed with the latest software programmes for students to familiarise with.

**Panopto Lectures**
Lectures held in classrooms are able to be recorded so that it can be replayed and retrieved online for later viewing, making it convenient for students who are absent to catch up on what’s going on in class.

**SEGiSphere**
An all-in-one portal to cater needs of student ranging from recruitment, shopping, lecturer’s notes and also access to E-Library.

**Computer Laboratory of Optimum Technology**
A teaching laboratory is adapted for students in collaboration with Huawei - worth over RM400K.

**E-Library**
With just a click of mouse, students may access E-Library to obtain reviews, research papers, journals and reports on a spectrum of topic titles any time, any day.
STPM / A-Level / Pre-U or equivalent qualification

1 credit
Certificate
Certificate in Information Technology

SPM / O-Level / SM2 or equivalent qualification

3 credits
Diploma
Diploma in Information Technology
Diploma in Computer Studies

STPM / A-Level / Pre-U or equivalent qualification

5 credits
Foundation
Foundation in Science
Foundation in Information Technology

Dual Degree (3 years locally)

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

Abertay University
Bachelor of Science (Hons)
Computer Networks

Collaborative Degree (3+0)

SEGi University
BSc (Hons) Computing
BSc (Hons) Computer Systems and Networking

Abertay University
Bachelor of Science (Hons)
Computing

Degree (2+1)

SEGi University
Bachelor of Information Technology (Hons)
Specialising in:
• Computer Networks

Abertay University
Bachelor of Science (Hons)
Computer Networks

Postgraduate

SEGi University
MSc Information Systems Management

Abertay University
PhD (Information Technology) by Research
<table>
<thead>
<tr>
<th>Programme</th>
<th>Awarding Institution</th>
<th>Entry Requirements</th>
<th>Duration</th>
<th>Campus</th>
</tr>
</thead>
<tbody>
<tr>
<td>PhD (Information Technology) by Research</td>
<td>SEGi University</td>
<td>• A Master’s Degree or equivalent; AND • Completed Degree (Master’s or Bachelor’s) in Computing or Information Technology</td>
<td>3 – 6 years</td>
<td>Kota Damansara</td>
</tr>
<tr>
<td>MSc (Information Technology) by Research</td>
<td>SEGi University</td>
<td>• Related Bachelor’s Degree with Honours; OR • Any equivalent qualification in a related field of study</td>
<td>1½ – 3 years</td>
<td>Kota Damansara</td>
</tr>
<tr>
<td>MSc Information Systems Management</td>
<td>University of Greenwich, UK</td>
<td>• Related Bachelor’s Degree (Information Systems or Computer) • 5 years related commercial/industrial experience or equivalent</td>
<td>2 years</td>
<td>Kuala Lumpur</td>
</tr>
<tr>
<td>Bachelor of Information Technology (Hons) *</td>
<td>Dual Degree Programme with SEGi University and Abertay University, UK</td>
<td>• STPM with 2 Principal Passes and a credit in SPM • UEC with Grade B in 5 subjects • Pass in relevant Foundation programme • Pass in a relevant Diploma course or other equivalent qualifications</td>
<td>3 years</td>
<td>Kota Damansara</td>
</tr>
<tr>
<td>BSc [Hons] Computing [3+0]</td>
<td>University of Greenwich, UK</td>
<td>• Foundation in IT • STPM with 2 Principal Passes • Pre-University / A-Level / UEC; or other equivalent qualification</td>
<td>3 years</td>
<td>Kuala Lumpur Subang Jaya Penang</td>
</tr>
<tr>
<td>BSc [Hons] Computer Systems and Networking [3+0]</td>
<td>University of Greenwich, UK</td>
<td>• Entry to Year 1 - Foundation in IT, STPM [2 principals passes] Pre-U, A-level [2 passes], UEC [5B’s inclusive of English and Mathematics] or equivalent • Entry to Year 2 - Diploma in Computer Studies • Applicants must also be able to demonstrate a level of English equivalent to IELTS 6.0</td>
<td>3 years</td>
<td>Kuala Lumpur</td>
</tr>
<tr>
<td>Programme</td>
<td>Awarding Institution</td>
<td>Entry Requirements</td>
<td>Duration</td>
<td>Campus</td>
</tr>
<tr>
<td>------------------------------------------------</td>
<td>----------------------</td>
<td>-------------------------------------------------------------------------------------</td>
<td>---------------------</td>
<td>---------------------------</td>
</tr>
<tr>
<td>Executive Diploma in Information Technology</td>
<td>SEGi College</td>
<td>• This programme is eligible for working adults at the minimum age of 21</td>
<td>18 months (part-time/evening/weekend classes/online learning)</td>
<td>Penang Sarawak</td>
</tr>
<tr>
<td>Diploma in Computer Studies</td>
<td>SEGi College</td>
<td>• SPM / O-Level / SM2; or • Malaysian Independent Chinese Secondary School UEC Certificate; or • Any equivalent qualification (3 credits including Mathematics)</td>
<td>3 years</td>
<td>Kuala Lumpur Sarawak</td>
</tr>
<tr>
<td>Diploma in Information Technology</td>
<td>SEGi University &amp; SEGi College</td>
<td>• SPM / O-Level / SM2; OR • Malaysian Independent Chinese Secondary School UEC Certificate; OR • Any equivalent qualification (3 credits including Mathematics)</td>
<td>2 – 2½ years</td>
<td>Kota Damansara Subang Jaya Penang</td>
</tr>
<tr>
<td>Certificate in Information Technology</td>
<td>SEGi College</td>
<td>• SPM / O-Level / SM2; OR • Malaysian Independent Chinese Secondary School UEC Certificate or any equivalent qualification (1 credit)</td>
<td>1½ years</td>
<td>Kuala Lumpur Subang Jaya</td>
</tr>
<tr>
<td>Foundation in Science</td>
<td>SEGi University &amp; SEGi College</td>
<td>• SPM / O-Level or equivalent (minimum 5 credits including Mathematics &amp; Science subjects)</td>
<td>1 year</td>
<td>Kota Damansara Subang Jaya Penang Sarawak</td>
</tr>
<tr>
<td>Foundation in Information Technology</td>
<td>SEGi College</td>
<td>• SPM / O-Level or equivalent (minimum 5 credits including Mathematics &amp; Science subjects)</td>
<td>1 year</td>
<td>Kuala Lumpur</td>
</tr>
</tbody>
</table>

* Bachelor of Information Technology (Hons) with Specialisation in: Computer Networks articulates with Abertay University Bachelor of Science (Hons) Computer Networks.

* Bachelor of Information Technology (Hons) with Specialisation in: Software Engineering articulates with Abertay University Bachelor of Science (Hons) Computing.

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

The following 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.
PhD (INFORMATION TECHNOLOGY) BY RESEARCH
SEGi UNIVERSITY

The PhD programme is conducted fully by research and aims to groom you in the field of information technology. The programme prepares you for one of four likely career paths; as an academician in an institution of higher learning, a consultant in the ever-evolving IT industry, a technopreneur or researcher in industrial R&D or government-funded research institutions.

Career Opportunities
Graduates of the PhD (Information Technology) by Research have gained employment in both public and private sector organisations in a range of technology related positions such as IT Consultants, IT Managers, Systems Analysts, Business Analysts, e-Business Consultants, Information Systems Analysts, Information Systems Strategic Managers, Business Development Managers and Project Managers.

Programme Modules

Year 1
- Semester 1
  Advanced Research Methods and Design
- Semester 2
  Research Proposal and Seminar
- Semester 3
  Research and Thesis

Year 2
- Research and Thesis

Year 3
- Research and Thesis

MSc (INFORMATION TECHNOLOGY) BY RESEARCH
SEGi UNIVERSITY

The programme prepares you for one of four likely career paths; a career as an academician in an institution of higher learning, a consultant in the lucrative IT industry, a technopreneur or research careers in industrial R&D or government-funded research institutions.

Career Opportunities
Graduates of the MSc (Information Systems) Management have gained employment in both public and private sector organisations in a range of technology related positions such as IT consultants, IT managers, systems analysts, business analysts, e-Business consultants, information systems analysts, information systems strategic managers, business development managers and project managers.

Programme Modules

Year 1
- Semester 1
  Advanced Research Methods and Design
- Semester 2
  Research and Thesis
- Semester 3
  Research and Thesis

Year 2
- Research and Thesis

Year 3
- Research and Thesis
The interaction between information technology and people’s activities using the particular technology to support operations and management is referred to as information system. This manner of interaction between consumers and ICT are widely used in the business process.

Undertaking this programme, we wish to provide you the knowledge of planning and control of information system with a deep understanding of the management of information systems in the framework of facing organisational issues, and develop your ability to understand and manage these complex and interrelated systems. As a result, you are able to make informed decisions concerning the use of information systems in a business environment.

Programme Modules

**Core Modules**
- Information, Methods & Culture (15 Credit)
- Systems Planning & Management (15 Credit)
- Audit & Security (15 Credit)
- System Modeling (15 Credit)

**Elective Modules**
Choose 4 Modules:
- Data Warehousing (15 Credit)
- Internet & Web Technologies - Open Source (15 Credit)
- Strategic IT for e-Business (15 Credit)
- Strategic IT in e-Marketing (15 Credit)
- Internet & Intranet Technologies - Enterprise Systems (15 Credit)

**Dissertation**
- 60 credits including programme in Critical Thinking & Research Methods
  (A substantial individual project on a topic chosen by the student as well as a programme in Critical Thinking & Research Methods)

My campus life as SEGi has been wonderful, and with such helpful lecturers, I’m looking forward to finish my programme and experience a wholesome environment.

ADAM MOHAMMAD LOW BIN JOHAN THOMAS LOW

Career Opportunities
Graduates of this programme have easily gained employment in both public and private sector with IT-related job titles such as IT Consultants, IT Managers, Systems Analysts, Business Analysts, e-Business Consultants, Information Systems Analysts to name a few.
BACHELOR OF INFORMATION TECHNOLOGY (HONS)
SEGi UNIVERSITY & ABERTAY UNIVERSITY, UK

Specialising in:
• Business Systems Design
• Computer Networks
• Software Engineering

Our programme caters to students who wish to study the latest technological developments, techniques, and tools in IT whilst developing knowledge, understanding and skills relevant in the industry and profession.

The programme also allows 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.

Upon completion of the programme, you will acquire knowledge of the disciplines which underpin the development of Information Technology solutions in their selected sphere of study. You’ll also carry the ability to assess and apply techniques and approaches in developing IT-related solutions while adopting an entrepreneurial and integrative perspective in the identification, analysis and resolution of issues.

Our programme provides you with the opportunity to gain accreditation by professional certifications, including Java, Oracle, Microsoft Sun and Cisco.

Programme Modules

Year 1
- Discrete Mathematics
- Introductory Programming
- Systems Analysis and Design
- Database Systems
- TITAS (Local)
- Hubungan Etik (Local)
- Malaysian Studies 3 (International)
- Bahasa Melayu Komunikasi 3 (International)
- Academic English
- Introduction to Networks
- Object-Oriented Programming
- Introduction to Operating Systems

Year 2
- Project Management
- Computer Architecture
- Web Project
- Client-Focused Business Solution
- Management Information Systems
- Programming for Mobile Devices
- Networks & Communications
- Information Systems Security
- Effective Listening (U2)
- Academic Research
- Human Computer Interaction
- Windows Programming
- Web Authoring
- Business Computing Strategy
- Introductory Software Engineering
- Web Services
- Advanced Programming
- Wireless Communications

Year 3
- Final Year Project 1
- System Development Methods
- Advanced Database Systems
- Networks and Systems Administration
- Final Year Project 2
- Operations Management
- Artificial Intelligence
- Advanced Networks
- Personal Health Management
- Industrial Attachment

Elective
- Commercial Applications and IT
- Business Online
- Digital Content Development
- ICT Service Management
- IT & People
- Business Ethics
- Entrepreneurship
- Environmental Management and Technology

Dual Degree
Note: Compulsory for specialisation
- denotes Business Systems Design
- denotes Computer Networks
- denotes Software Engineering

- Bachelor of Information Technology (Hons) with Specialisation in: Computer Networks articulates with Abertay University Bachelor of Science (Hons) Computer Networks.
- Bachelor of Information Technology (Hons) with Specialisation in: Software Engineering articulates with Abertay University Bachelor of Science (Hons) Computing.
In this programme, you face the challenges and transformation which computer technology may produce. This programme will help you develop understanding in the design of solutions and how to implement them. You’ll also be able to understand the effects of computer usage in the society.

Programme Recognised by

BCS

Programme Modules

Year 1
- System Building
- Computer Programming 1
- Communication Systems
- Computer Systems and Internet Technologies
- Logical Foundations
- Analytical Methods
- International Student
  - Malaysian Studies
  - Bahasa Melayu
- Local Student
  - Hubungan Etnik
  - TITAS

Year 2
- Information Systems Development Project
- Professionalism in the IT Industry
- Database Applications Technologies
- Application & Web Development
- Information Analysis
- Network and Operating Systems
- Principles of Security
- Effective Listening
- Organization Behaviour Managing Performance of Individuals
- Research Methodology
- Personal and Professional Development
- Internship

Year 3
- Project
- Development and Framework Methods
- Enterprise Web Software Development
- User Interface Design
- Web Application Development
- Interaction Design
- Application Development for Mobile Devices
- Pengurusan Kokurikulum

SEGi Penang Only

Year 1
- Computer Systems and Internet Technologies
- Computer Programming 1
- Systems Building 1
- Logical Foundations
- Quantitative Methods
- Communication Systems 1

Year 2
- Organisations and Project Management
- Systems Building
- Database Applications Technologies
- Computer Programming 2
- Computer and Network Systems

Year 3
- Project
  Choose 3 modules:
  - Enterprise Database Engineering
  - e-Technology
  - HCI and Interaction Design
  - Web Engineering
  - Information System Engineering
  - Project

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.
BSC (HONS) COMPUTER SYSTEMS AND NETWORKING (3+0)
UNIVERSITY OF GREENWICH, UK

This programme has been created in response to industry demand for graduates with the knowledge and technical skills to design, create, operate and maintain network infrastructures for modern distributed computer systems. Opportunities exist to work with the latest tools and technologies to develop a sound theoretical understanding and gain confidence through practical experience. Students will 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 and a wide range of organisations.

Students can take industrial examinations such as Cisco, Certified Hacker, Enterprise Architecture, Microsoft and Java certifications and develop valuable personal and professional skills. All students are automatically enrolled as student members of the British Computer Society the chartered body responsible for establishing and maintaining technical and ethical standards in the profession.

Programme Modules

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Programming</td>
<td>Systems Development Project</td>
<td>Project [SST]</td>
</tr>
<tr>
<td>System Building</td>
<td>Professionalism in the IT Industry</td>
<td>Network Technology</td>
</tr>
<tr>
<td>Communication Systems</td>
<td>Network Implementation</td>
<td>Network Technology</td>
</tr>
<tr>
<td>Logical Foundations</td>
<td>Operating Systems</td>
<td>Network Design &amp; Implementation</td>
</tr>
<tr>
<td>Computer Systems Architecture</td>
<td>Network Security</td>
<td>60 Credits from:</td>
</tr>
<tr>
<td>Analytical Methods for Computing</td>
<td>Introduction to Smart Systems</td>
<td>Enterprise Server Management and Security</td>
</tr>
<tr>
<td></td>
<td>Option:</td>
<td>Web Application Development</td>
</tr>
<tr>
<td></td>
<td>• Systems Programming</td>
<td>Smart Systems Development</td>
</tr>
<tr>
<td></td>
<td>• Computer Forensics 2</td>
<td>Penetration Testing</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Service Oriented Web Applications</td>
</tr>
</tbody>
</table>

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KL CAMPUS

“SEGi has given me the most joyful time of my university days. There are many clubs and social activities to take part in and that has given me much exposure and also the chance to make friends with students from various backgrounds.”

KANMANI A/P RAMADASS

Career Opportunities
Network Analysis, Network Designer, Systems Engineer. Build, maintain and support networked computing systems across industry, commerce and the public sector. Opportunities exist to develop a career working as Network Consultants or within teams in diverse areas such as telecommunications, networking, business and IT, Internet and e-commerce applications, IT support, research, teaching and training.
EXECUTIVE DIPLOMA IN INFORMATION TECHNOLOGY
SEGi COLLEGE

Specially designed for working adults, the Executive Diploma in Information Technology provides you with the knowledge to utilise and manage cutting-edge technologies. We focus on providing excellent education through a motivating environment.

Among the software utilised throughout the programme are: C++, which is a statically typed, free-form, multi-paradigm, compiled, general-purpose programming language for Data Structures and Algorithms; Java, which is currently one of the most popular programming languages in use, and is widely used from application software to web applications; MS Project, which is a project management software program designed to assist Project Managers in developing plans, assigning resources to tasks, tracking progress, managing budgets and analysing workloads; Visual Basic, which is the third-generation event-driven programming language and integrated development environment (IDE); and Adobe Flash, which is a multimedia platform used to add animation, video, and interactivity to web pages.

Programme Modules

<table>
<thead>
<tr>
<th>Introductory &amp; Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Database Management Systems</td>
</tr>
<tr>
<td>Basic Mathematics for Computing</td>
</tr>
<tr>
<td>Academic English</td>
</tr>
<tr>
<td>Data Structures and Algorithms</td>
</tr>
<tr>
<td>Introduction to Software Engineering</td>
</tr>
<tr>
<td>Programming Methodology</td>
</tr>
<tr>
<td>Object Oriented Development</td>
</tr>
<tr>
<td>Project Management</td>
</tr>
<tr>
<td>Windows Programming</td>
</tr>
<tr>
<td>Systems Analysis and Design</td>
</tr>
<tr>
<td>Web Designing</td>
</tr>
<tr>
<td>Integrated Systems Project</td>
</tr>
<tr>
<td>Multimedia Studies</td>
</tr>
</tbody>
</table>

For me, the best thing about SEGi is that it equips me with much more than just paper qualifications. I have learned and gained many other skills, thanks to the ever helpful lecturers.

ASHRAF BIN MOHD AZAM

Career Opportunities
Combined with Programming Methodology for the designing and drawing of diagrams, Basic Mathematics for Computing and Systems Analysis and Design for the designing of system diagrams, the Executive Diploma will put you in good stead to launch a successful career in information technology.
DIPLOMA IN COMPUTER STUDIES
SEGi UNIVERSITY

Information Technology is a booming industry generating billions of dollars globally. With such high demand worldwide, we have developed programmes that are both flexible and relevant to industry needs.

The Diploma in Computer Studies programme has been designed to groom you with strong foundation in computer technologies, the Internet and networking, database administration and programming with the aim of preparing you to stand a high chance of landing a job after graduation.

Upon completing the diploma programme, you possess an academic qualification required to become a competent professional with strong technical and analytical skills.

Programme Modules

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic Mathematics for Computing</td>
<td>Web Design and Development</td>
<td>Internship/Industrial Training</td>
</tr>
<tr>
<td>General Language Training</td>
<td>Multimedia Studies</td>
<td>Object Oriented Develop</td>
</tr>
<tr>
<td>Computer Application</td>
<td>Introduction to Programming Language</td>
<td>Business Research</td>
</tr>
<tr>
<td>Database Management System</td>
<td>Systems Analysis and Design</td>
<td>Project Management</td>
</tr>
<tr>
<td>Bahasa Melayu Komunikasi 1 [Int Students]</td>
<td>Data Structures and Algorithms</td>
<td>Management Information System</td>
</tr>
<tr>
<td>Pengajian Malaysia 2 [Local Students]</td>
<td>Software Engineering</td>
<td>Pengurusan Kokurikulum</td>
</tr>
<tr>
<td>Programming Methodology</td>
<td>Window Programming</td>
<td>Integrated Systems Project</td>
</tr>
<tr>
<td>Academic English</td>
<td>Data Communication and Networking</td>
<td></td>
</tr>
<tr>
<td>Information Technology</td>
<td>System Development</td>
<td></td>
</tr>
<tr>
<td>Decision Making</td>
<td>Computer Organization</td>
<td></td>
</tr>
<tr>
<td>Entrepreneurship</td>
<td>Operating System</td>
<td></td>
</tr>
<tr>
<td>Principles of E-Commerce</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

As an IT student, it is crucial that we learn using platforms of the latest technologies. The high-technology teaching facility by HUAWEI at SEGi has helped me gain skills to excel beyond the classrooms.

Career Opportunities
Possible job titles relevant to this qualification include:
IT Administration Assistant, Data Processing Assistant, Computer Programmer, IT Managers, Quality Control Manager, Systems Support Specialist
DIPLOMA IN INFORMATION TECHNOLOGY
SEGi UNIVERSITY & SEGi COLLEGE

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

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic Mathematics for Computing</td>
<td>Introduction to Software Engineering</td>
<td>Academic English</td>
</tr>
<tr>
<td>Commercial Application and IT</td>
<td>Data Communications and Networking</td>
<td>Moral Studies (Non-Muslim)/Islamic Studies (Muslim)</td>
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<tr>
<td>Database Management Systems</td>
<td>Data Structures and Algorithms</td>
<td>Pengurusan Ko-Kurikulum</td>
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<tr>
<td>Programming Methodology</td>
<td>Principles of E-Commerce</td>
<td>Integrated Systems Project</td>
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<tr>
<td>Digital Content Development</td>
<td>Windows Programming</td>
<td>Industrial Attachment</td>
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<tr>
<td>Introduction to Operating System</td>
<td>Object Oriented Development</td>
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<tr>
<td>Introduction to Programming Languages</td>
<td>Systems Development</td>
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<tr>
<td>Computer Organization</td>
<td>Web Designing</td>
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<tr>
<td>Management Info System</td>
<td>Project Management</td>
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<tr>
<td>System Analysis and Design</td>
<td>Conceptual Design &amp; Creativity</td>
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<tr>
<td>General Language Training</td>
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<tr>
<td>Malaysian Studies (Local)/Bahasa Melayu</td>
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<tr>
<td>Komunikasi 2(International)</td>
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<tr>
<td>Presentation Skill</td>
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</tbody>
</table>

I have no regrets selecting SEGi as the place to further my studies. My lecturers are approachable and knowledgeable, and they make the subjects interesting.”

Career Opportunities

Your chosen career path may diversify as: Network Administration, Software Developer, Network Maintenance Assistant, Information System Assistant, Information Systems Manager, Database Administrator, Information Systems Analyst, Helpdesk Support Manager.
Our Certificate in Information Technology programmes grooms you with the skills and knowledge to become outstanding individuals in the IT industry and also be competent in the basics of technology activities in addition to providing support for information activities in the workplace.

Programme Modules

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
<th>Semester 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intro to Information Technology</td>
<td>Basic Mathematics for Computing</td>
<td>Computer Graphic/Fundamental Graphic Design</td>
</tr>
<tr>
<td>General Language Training</td>
<td>Academic English</td>
<td>Introduction to Animation &amp; Multimedia</td>
</tr>
<tr>
<td>Statistics</td>
<td>Public Speaking</td>
<td>Introduction to Programming</td>
</tr>
<tr>
<td>Computer Applications</td>
<td></td>
<td>Electronic Publishing</td>
</tr>
<tr>
<td>Bahasa Melayu Komunikasi 1</td>
<td></td>
<td>Introduction to Problem Solving &amp; Algorithm</td>
</tr>
<tr>
<td>(International Students)</td>
<td></td>
<td>(Local students)</td>
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<tr>
<td>Pengajian Malaysia (Local students)</td>
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</table>

<table>
<thead>
<tr>
<th>Semester 4</th>
<th>Semester 5</th>
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</thead>
<tbody>
<tr>
<td>Web Designing</td>
<td>Business Communication &amp; Writing</td>
</tr>
<tr>
<td>Introduction to Database</td>
<td>Introduction to Java</td>
</tr>
<tr>
<td>Food Nutrition, Hygiene &amp; Sanitation</td>
<td>PC Maintenance</td>
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<tr>
<td></td>
<td>Personal and Professional Development</td>
</tr>
</tbody>
</table>

“...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

Career Opportunities
Upon completion of The Certificate in Information Technology, you may further your studies in Diploma or Degree level or gain experience through careers such as customer support representative, client support officer, computer operator and customer service personnel, help desk office / technician and many more.
**FOUNDATION IN SCIENCE**

**SEGi UNIVERSITY & SEGi COLLEGE**

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 will also enable you to gain exemptions into respective SEGi Degree programmes.

**Programme Modules**

**Year 1**
- Physics 1
- Chemistry 1
- Mathematics 1
- Public Speaking

**Year 2**
- Physics 2
- Chemistry 2
- Mathematics 2
- Biology 1 / Information Technology

**Year 3**
- Physics 3
- Chemistry 3
- Mathematics 3
- Biology 2 / Computer Applications

**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 health science, engineering or computing. Upon successful completion of this Foundation in Science programme, you may apply to enrol in a range of health science, engineering or computing degree programmes.

**Programme Modules**

**Semester 1**
- Basic Mathematics
- Information Technology
- Computer Applications
- Personal and Professional Development
- Programming Methodology

**Semester 2**
- Statistics
- Introduction to Programming Languages
- General Language Training
- Web Designing
- Introduction to Animation & Multimedia

**Semester 3**
- Introduction to Object Oriented Development
- Principles of Management
- Academic English
- Database Management Systems

**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 programme, students can venture into a range of computing and information technology degree programmes.

The SEGi Foundation in Information Technology is designed to equip students with computing knowledge together with skills in mathematics and the practice needed to provide the perfect transition from secondary studies to a university degree in a variety of computing and technology related fields. Upon completion of this one-year technology-oriented foundation programme students may gain entry into computing and information technology degree programmes from UK universities offered in partnership with SEGi, as well as SEGi’s Bachelor of Information Technology (Hons) programme.

The SEGi Foundation in Information Technology is fully accredited by the Malaysian Qualifications Agency (MQA), and is recognised by universities throughout Malaysia and worldwide.
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