

Diploma in Information Technology

The programme equips students with strong knowledge in the fundamentals of IT and adequately prepares them to continue their studies in software engineering / system analysis and database technologies. The programme exposes students to the various fields of information technology such as software, hardware, operating systems, networking and multimedia.

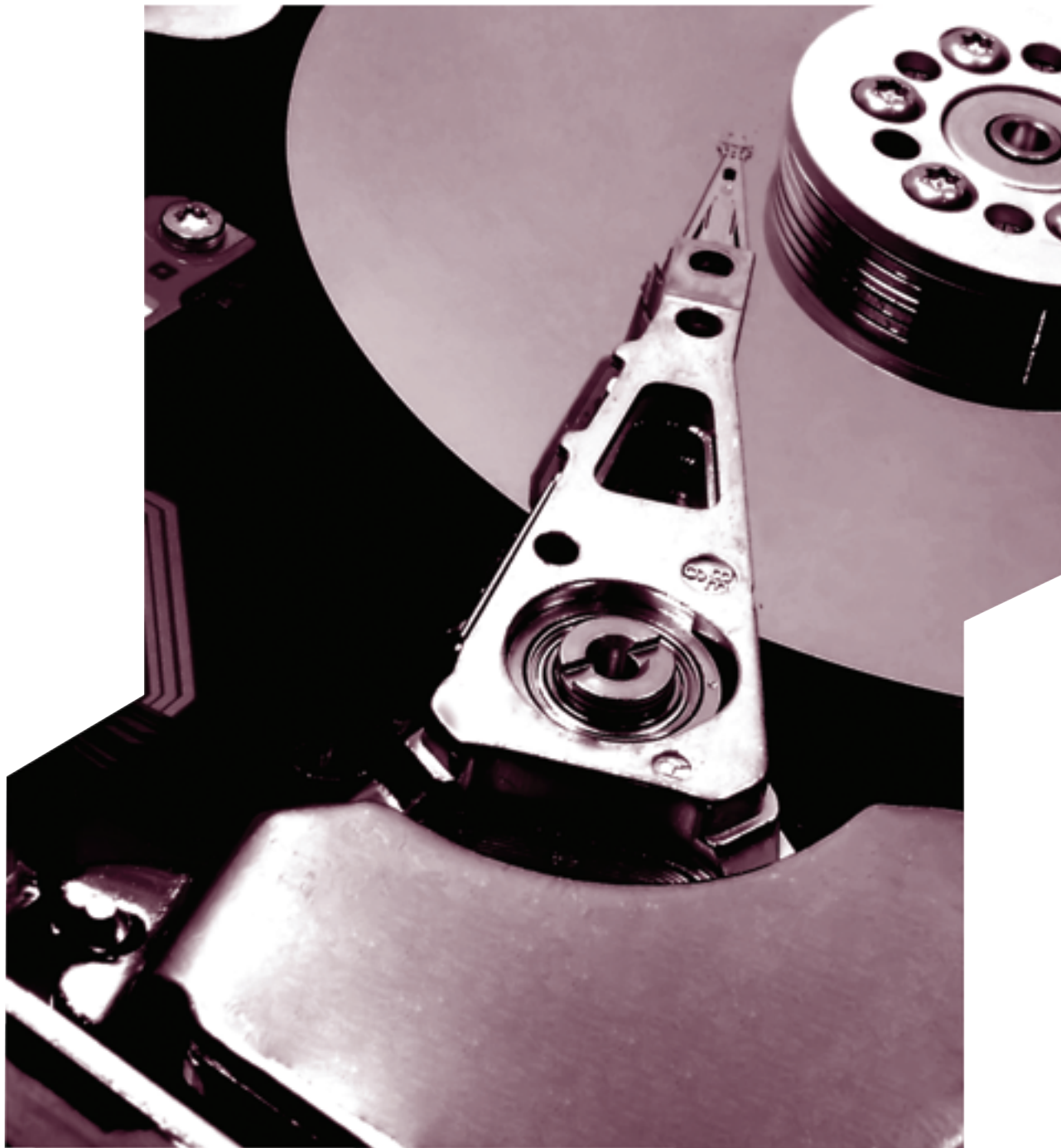
Program Details

- Duration: 3 years; 9 semesters
- Assessment: 60% examination, 40% coursework

Subjects

Bahasa Kebangsaan A (for Malaysians only)
 Pengajian Malaysia
 Pendidikan Moral / Pendidikan Islam
 Academic Communicative English 1
 Academic Communicative English 2
 Mathematics 1
 Mathematics 2
 Computer Applications
 Introduction to Information Technology
 Introduction to Programming
 Computer Hardware Maintenance
 Multimedia
 Web Development
 E-Commerce
 System Analysis
 Programming Concepts
 Database Design Concepts
 Networking Concepts
 Personal Skills Development
 Quality IT Systems
 Data Analysis and Design
 Management in IT Environment
 End-User Support
 Project Management in IT
 Computer System and Operations
 Project/ Industrial Training

Kolej Universiti Linton - KP/JPS (A 6792) 02/11
 Institut Teknologi Pertama - KP/JPS (A 5135 / KR 9760) 02/14
 Institut Jati - KP/JPS (PA 9001) 12/13



Bachelor of Science (Hons) Business Information Systems

University of East London 3+0 Programme

Computer systems are now an important part of our lives with well-engineered reliable and usable systems crucial to the survival of most organisations. People who can design, implement and maintain these ever-evolving systems are in constant demand. Studying in the BIS field of computing is challenging and enjoyable, and can lead to a rewarding career.

Graduates of the Business Information System degree programme which combines business knowledge with technical skills are qualified for a range of jobs including business analyst and IT strategy manager.

Program Details

- Duration: 3 years; 6 semesters
- Assessment: varies from module to module but will include end of module examinations, coursework, project work, laboratory reports and test of competence in theoretical and practical sessions.

Subjects

YEAR 1	
Malaysian Studies (for Malaysians only)	Website Design & the Internet
Islam Studies/ Moral Education (for Malaysians only)	Information Systems
Information Technology in Business	Study Skills
Computer Based Technologies	Visual Programming

YEAR 2	
Bahasa Kebangsaan A (for Malaysians only)	Usability Engineering
Multimedia Applications for Business	Information Technology Planning & Infrastructure
Information Systems Modeling & Design	Database Systems
	Professional Issues

YEAR 3	
Advanced Information Systems Development	Management Information Systems
Project Management	Research & Academic Development
Advanced Database Development	Project

Offered at

Kolej Universiti Linton - KP/JPS (A 8208) 08/12
 Institut Teknologi Pertama - KP/JPS (PA 8736) 07/13
 Institut Jati - KP/JPS (PA 9270) 08/13

Kolej Universiti Linton
 Linton University College
 Registration: KPT/JPT/DFT/US/N 03
 Kolej Linton Sdn Bhd
 (449905-P)

Institut Teknologi Pertama
 Pertama Institute of Technology
 Registration: JPNIS/PP/PTS21/03
 ITP Sdn Bhd
 (266085-H)

Institut Jati
 Jati Institute
 Registration: N4PE017
 Jati Cerah Sdn Bhd
 (188561-U)

Kolej Legenda
 Legenda College
 Registration: N4PE017
 Kolej Legenda Sdn Bhd
 (60518-A)

Institut Sains Perubatan Mantin
 Institute of Medical Sciences Mantin (IMM)
 Registration: N4P4006
 Advance Extreme Sdn Bhd
 (663209-A)

Bandar Universiti Teknologi Legenda (BUTL), Batu 12, 71700 Mantin, Negeri Sembilan. Tel: +606 7587888 Fax: +606 7587599 Website: www.legendagroup.edu.my

Bachelor of Science (Hons) Software Engineering

University of East London 3+0 Programme

There is still a significant worldwide shortage of up-to-date and relevant computing skills. Organisations need to have access to these skills to make best use of computing and internet resources.

This programme is designed to give you the opportunity to:

- Gain appropriate knowledge and skills base to pursue a career managing and developing information systems in a contemporary business context
- Gain an understanding of the operational, strategic and practical issues in information systems currently relevant to small, medium and large enterprises
- Learn and work both independently and within groups
- Be aware of the management, economic, legal, social, professional and ethical issues relating to information systems
- Develop the necessary study skills and knowledge to pursue further study

Graduates of Software Engineering degree programmes have the skills and knowledge to develop high quality software applications, leading to a career in the wide-ranging software development industry.

Program Details

- Duration: 3 years; 6 semesters
- Assessment: varies from module to module but will include end of module examinations, coursework, project work, laboratory reports and tests of competence in theoretical and practical sessions.

Subjects

YEAR 1	
Malaysian Studies (for Malaysians only)	Introduction to Software Development
Islam Studies/ Moral Education (for Malaysians only)	Information Systems
Study Skills	Website Design & Internet
Introduction to Computer Systems	Visual Programming

YEAR 2	
Bahasa Kebangsaan A (for Malaysians only)	Database Systems
Software Development	Information Systems Modelling & Design
Professional Issues	Usability Engineering
	Operating Systems

YEAR 3	
Research & Academic Development	Programming Paradigms
Project	Network Programming
Advanced Information Systems Development	Formal Methods in Software Engineering

Offered at

Kolej Universiti Linton - KP/JPS (A 8210) 09/12
 Institut Teknologi Pertama - KP/JPS (PA 8689) 11/12
 Institut Jati - KP/JPS (PA 9269) 08/13



COMPUTER SCIENCE & INFORMATION TECHNOLOGY

We Lead in Engineering, Built Environment & Technology Education



Foundation Studies in Information Technology

This programme provides students with a strong foundation in the field of Computer Science and Information Technology offering pathways for them to continue their tertiary studies in these two areas. Students are exposed to various subjects in hardware, software, PC maintenance and operating systems basics. Students completing their programme may join the IT profession at entry level. Upon completing a qualification at higher level, they may then work as System Support Executives / Analytical Programmers who work under the guidance of System Administrators / Software Engineers.

Program Details

- Duration: 1 year; 3 semesters
- Assessment: 60% examination, 40% coursework

Subjects

YEAR 1	
Academic & Communicative English 1	Mathematics 2
Mathematics 1	Web Page Development
Computer Applications	Academic & Communicative English 2
Malaysian Studies (for Malaysians only)	Introduction to Principles of Networking
Introduction to Information Technology	Technical English
Introduction to Economics	Computing Mathematics
Introduction to Programming	Critical Thinking
Computer Hardware Maintenance	Islamic Studies / Moral Studies (for Malaysians only)
	Multimedia Principles

Offered at

Kolej Universiti Linton - KP/JPS (A 6802) 02/11
Institut Teknologi Pertama - KP/JPS (A 1375 / KR 10604) 07/14
Institut Jati - KP/JPS (PA 9092) 10/13

HND in Software Engineering

Linton University College

HND in Computing (Software Engineering) ITP

HND in Computing Jati Institute

The Business & Technology Education Council (BTEC), UK

This programme is specifically geared towards meeting the requirements of today's IT specialists and covers the traditional topics of databases and spreadsheet as well as the development of applications for the World Wide Web. It enables students to tailor their course in a programming, applications or business setting. Although the programme is vocational with strong practical emphasis, underpinning theory and principles are also covered so that students can stay abreast and understand the ever changing world of IT.

Program Details

- Duration: 2 years; 6 semesters
- Assessment: 40% examination, 60% coursework

Subjects

YEAR 1	
Bahasa Kebangsaan A (for Malaysians only)	Visual Programming
Malaysian Studies (for Malaysians only)	Website Management
Islamic Studies / Moral Studies (for Malaysians only)	Data Analysis & Database Design
Computer Platform	Communication Technology
	Software Engineering Techniques
	Object Oriented Programming
	Database Management Systems

YEAR 2	
Discrete Mathematics	Advanced Software Engineering
Discrete Mathematics	Project 1
Software Engineering	System Analysis
Implementation Project Software	Quality Management Principles
Construction & Tools	Human Computer Interface
Computing Solution	Advanced Software Engineering
Data Structure & Algorithms	Project 2
	Networking
	Multimedia Technology

Offered at

Kolej Universiti Linton - KP/JPS (A 2972 / KR 9727) 01/14
Institut Teknologi Pertama - KP/JPS (A 5178 / KR 9941) 05/14
Institut Jati - KP/JPS (PA 9000) 08/13



Diploma Pengkomputeraan & Sistem Maklumat

Diploma in Computing & Information Systems (DCI)

Moderated and validated by the University of Science Malaysia (USM), this Computer Science based programme is designed for students who wish to develop a career at senior technical or supervisory level in computer related fields associated with computing, information systems for small, medium and large companies.

Combining theory and practice, this programme encourages and develops students' independent creative thinking. During the course, students are exposed to mathematical analysis and information management, systems thinking, understanding of mathematically structured information for organisation and modeling techniques in problem solving.

Program Details

- Duration: 3 years; 9 semesters
- Assessment: 70% examination, 30% coursework

Subjects

YEAR 1	
English 1	Introduction to Networking
Introduction to Information Technology	Multimedia Application & Internet
Principles of Programming	Islamic Studies / Moral Studies (for Malaysians only)
Modern Applied Mathematics	Malaysian Studies (for Malaysians only)
Statistics & Operational Research	Bahasa Kebangsaan (for Malaysians only)

YEAR 2	
English II	Database Organisation & Design
Computer Organisation	Introduction to Operating Systems & Data Communications
Discrete Structure	Advanced Router Configuration & Network Management
Advanced Programming & Data Structures	
Networking Topology & Router Configuration	

YEAR 3	
Project I	Introduction to Logic & Abstraction
Project II	WAN Design & Protocol
Software Development Laboratory	Programming Paradigms
System Analysis & Design	

Professional Recognition

Upon completion of this programme, students are prepared to sit for the Cisco Certified Networking Associate (CCNA) examination which will qualify them to become skilled networking professionals.

Offered at

Kolej Legenda - KP/JPS (KR 8158 / A 1152) 05/12

