

# PREPARING YOU FOR THE WORLD!

YOUR  
ROUTE TO AN  
HONOURS DEGREE

DISCOVER YOUR POTENTIAL  
&  
ACHIEVE SUCCESS



(R/481/4/0382)(FA3022)/JPT/BPP(K)1000-600/P713 Jld 6(3)

# DIPLOMA in INFORMATION TECHNOLOGY

## PROGRAM DESCRIPTION

Modern Technology with its dynamic and innovative automation systems which is the driving force behind every industry is seeking highly skilled & qualified graduates to meet the demands & challenges of the ever-changing competitive Information Technology industry. The demand for IT specialists will continue to grow in the present day borderless economies.

The program is designed to equip students with up-to-date expertise in corporate information systems, internet and interactive media, mobile communications technologies, computer systems & networking, and software engineering. It also equips students with the necessary combination of knowledge and skills to assist in an organisation's computing infrastructure and its users.

Besides, it provides a broad knowledge base utilizing various technologies such as the production of web pages, database, networking, business application, E-commerce and video presentations. Students will also learn essential IT support skills including installing, configuring, securing and troubleshooting operating software and hardware systems. Thereby, the students are exposed to various techniques of analysing user requirements and specifications, as well as designing and implementing software systems.

This program will prepare students for roles in programming & software development, or research-based careers in the IT industry or to continue their higher studies. The program is also embedded with the relevant study skills and practices to develop effective communication skills which prepares them for an entry level executive career particularly in the area of technical support, through the development of personal and interpersonal skills and particular, the ability to work independently or within a team, and technical capability and skills in IT-related industries.

This Diploma program is recognized by the Ministry of Higher Education (MoHE) and is approved by Malaysian Qualification Agency (MQA).

## Course Modules

- English Communication
- Bahasa Melayu Communication 1
- Bahasa Kebangsaan A / Thinking Skills
- Malaysia Studies 2 (Malaysian Students Only)
- Co-Curriculum
- Creative Thinking
- Comparative Ethics II
- Discrete Mathematics
- Computer Maintenance
- Database Management Systems
- Data Communication & Networking
- Fundamentals of Bus. Organization
- Fundamental of Multimedia
- Fundamental of Mathematics
- Internet Technology
- Management Information Systems
- Operating Systems
- Obj. Oriented Programming in Java
- Principles of IT
- Programming I & II
- System Analysis & Design
- Software Project Management
- Web Design
- Final Year Project
- Internship

Elective I (choose one) Multimedia

- Basic 3D Animation
- Digital Imaging
- Advanced Web Technology

Elective II (choose one) Networking

- Networking Management & Maintenance
- Routing Technology
- Switching Technology

\* Malaysian students :

Bahasa Kebangsaan A is compulsory only for SPM holders with no credits in BM

## Duration / Entry Qualification

2 ½ years

SPM with min 3 Credits in any subjects including Maths

## Further Education

College assists in processing and obtaining admissions to the Bachelor Degree in the areas of IT at various universities locally or abroad. Diploma holders are normally accepted into the final year or 3rd year of a Bachelor degree program in various UK, US, Australian universities either locally or abroad.

## Career Prospects

Graduates can seek employment in the various IT or Commercial Firms as Programmers, IT Executive, Software Engineer, System Analyst, System Engineer, Database Administrator, Multimedia Designer, Network Designer, Network Engineer, Network Administrator, Network Infrastructure Designer, Web Designer, etc. Besides, those who would like to be entrepreneur can start their own business in various IT related sectors.



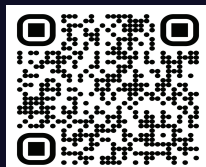
# STRADFORD INTERNATIONAL COLLEGE

2796, Jalan Chain Ferry, Inderawasih, 13600 Prai, Penang, Malaysia

Tel : [ +6 ] 04 - 390 4000 / 397 0000 / 657 2412 Fax : 04 - 390 3000

Email : admin@stradfordcollege.edu.my Website : www.stradfordcollege.edu.my

Register Now!



LEAD , INNOVATE , EXCEL