INFORMATION TECHNOLOGY

JPT/BPP(R2/481/6/0479)11/26

UNIVERSITI TEKNOLOGI PETRONAS

What is Information Technology?

Information technology is all about selecting, developing, applying, integrating, and administering secure computing technologies to enable users to accomplish their personal, organisational and societal goals.

What does an Information Technology professional do?

Information technology professionals work effectively at planning, implementation, configuration and maintenance of an organisation's computing infrastructure. Their roles roles involve planning and managing technology infrastructure.
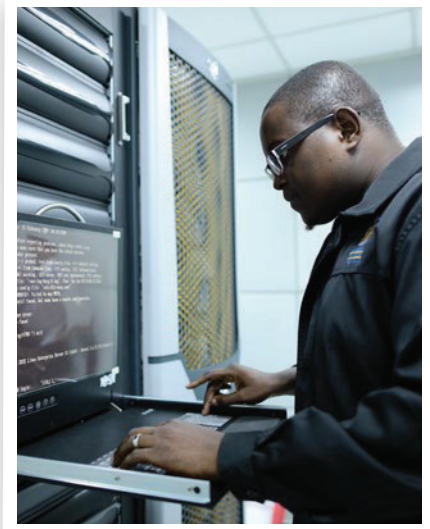
Information technology graduates can work in several areas, including information security, network architecture, database administration, systems administration and computer support.

A peek into an Information Technology professional's day

Why Information Technology at UTP?

1 The programme is systematically designed with strong feedbacks from industry experts, academics and alumni as well as equipped with the recent IR 4.0 requirements of data science, internet of things (IOT), data analytics and artificial intelligence

2 Students can choose specialisations that are in demand by the industry during their final year of study

3 World-class teaching and learning, research capabilities as well as state-of-the-art labs and facilities

4 Strong partnership with multinational companies such as PETRONAS, Microsoft and Huawei

5 UTP graduates are highly employed by oil and gas industry employers and software companies with 90% being employed within 6 months after graduation

6 More than 70% of UTP alumni are currently working in oil and gas industry

7 The academic staff are highly qualified and experienced. Thus, undergraduate students can benefit greatly from their knowledge and expertise

8 Strong industry based syllabus which qualifies students to take-up professional certification modules, such as Certified Tester by the International Software Testing Qualifications Board (ISTQB), Certified Professional Requirements Engineer by the International Requirements Engineering Board (IREB) and Malaysia Software Testing Board (MSTB)

9 Ranked within the top 400 in the QS World University Rankings by Subject in 2019

What am I going to learn?

National / University
- Management, Social Sciences and Humanities
- Introduction to Oil and Gas
- Scientific Inquiry
- Co-Curriculum

Common Core
- Programming
- Computer System
- Health, Safety and Environment
- Statistics
- Data Science
- Database
- Project Management

Core Discipline by Programme
- Computer Networking
- Discrete Mathematics
- System Architecture
- Human Computer Interaction
- Internet of Things (IOT)
- IT Professional and Ethics

Specialisation
- Data Analytics
- Cyber Security
- Enterprise Systems
- Software Quality

Project Based
- Technopreneur Team Project
- 7 months Structured Industrial Internship Programme
- Community Engagement Project
- Final Year Research Project

Minor (Optional)
- International Relations
- Corporate Management
- Financial Management

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