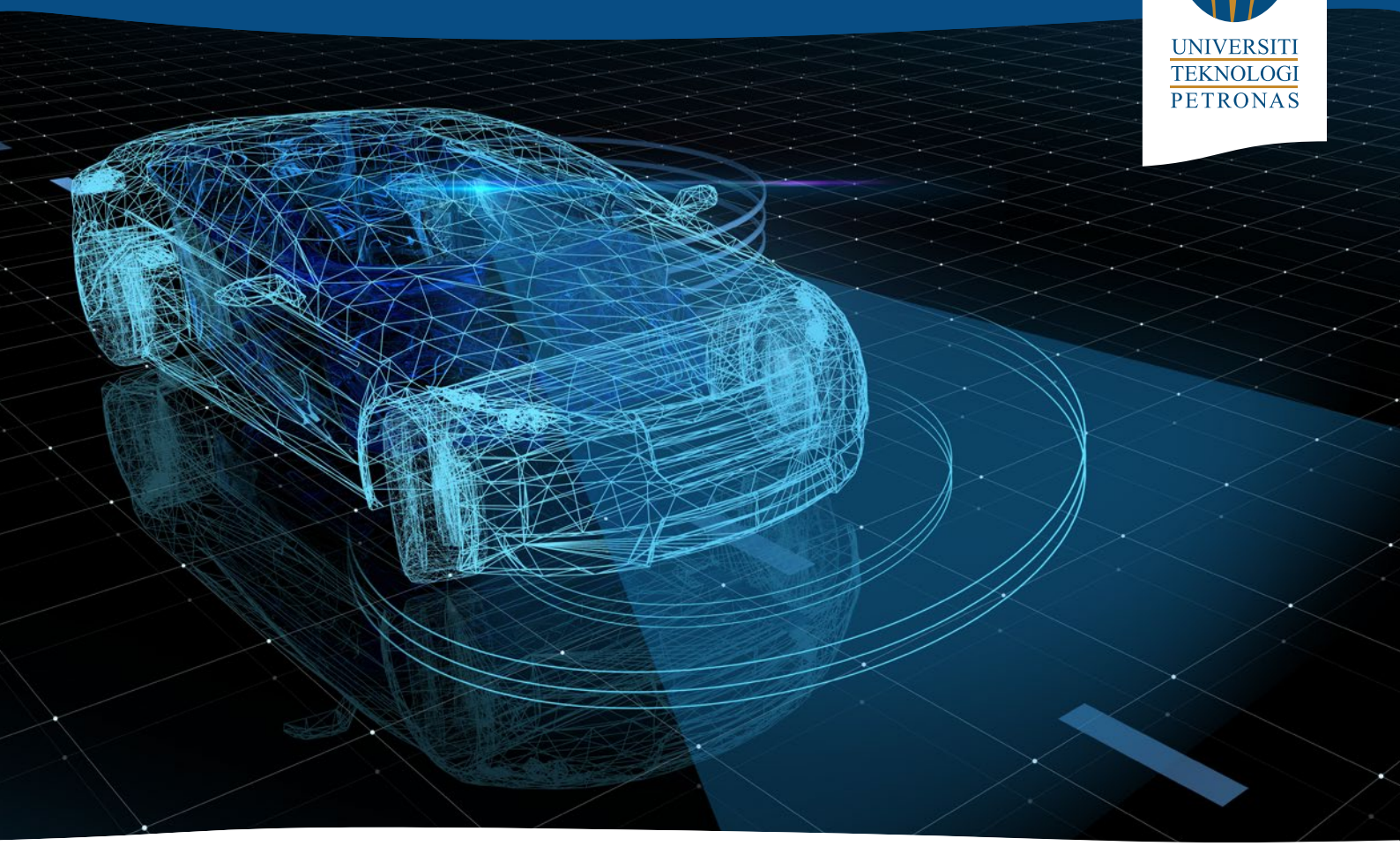
UNDERGRADUATE PROGRAMME

COMPUTER SCIENCE

JPT/BPP(N/481/6/0806)08/25

UNIVERSITI TEKNOLOGI PETRONAS



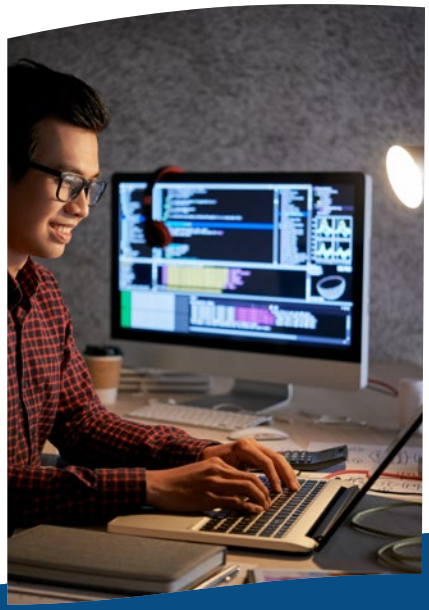
What is Computer Science?

Computer science spans computing theory and practice. The practical side is about designing and building software and developing effective ways to solve computing problems, while the theoretical side is about devising new and better ways of using computers and addressing computing challenges.

What does a computer scientist do?

Computer scientists cover wide range of computing jobs such as programmer, network engineer, database administrator and data analyst.

They also involve in the areas of artificial intelligence, data science, machine learning and data analytics, computer security, human computer interaction, vision and graphics and also bioinformatics.



A peek into a Computer Scientist's day

Why Computer Science at UTP?

1. The programme is systematically designed with strong feedback 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 from computer and information sciences department 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

QS WORLD UNIVERSITY RANKINGS 2019 COMPUTER SCIENCE & INFORMATION SYSTEMS RANKED

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
- Computational Mathematics

Core Discipline by Programme

- Data Communication and Network
- Artificial Intelligence
- Embedded System
- Software Engineering
- Modelling and Simulation
- Distributed and Parallel Computing

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

- International Relations
- Corporate Management
- Financial Management

How much does it cost?

Category	Malaysian	International
Duration	3.5 years	
Registration (new students only)	RM1,000	RM11,000
Estimated Tuition Fees	RM66,000	RM78,000
Accommodation	RM6,600	RM6,600
Total	**RM73,600**	**RM95,600**

Contact

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For further details, visit www.utp.edu.my and click ASK UTP for enquiries.

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