

A close-up of a hand with the index finger pointing towards a laptop icon. The background is a light blue and white circuit board pattern with various icons like a thumbs up, a laptop, and a network diagram.

DIPLOMA IN

COMPUTER [SYSTEM] TECHNOLOGY

DIPLOMA IN COMPUTER (SYSTEM) TECHNOLOGY

COMPUTER TECHNOLOGY SECTION (DEPARTMENT OF ELECTRONIC AND COMPUTER)

STUDY DURATION :

36 MONTHS (FULL TIME) *** SPM Intake
18 MONTHS (FULL TIME) *** SKM Intake

ELIGIBILITY REQUIREMENTS :

1. SPM GRADUATE.

- Meet the general admission requirements.
- Possess the SPM with:
 - pass in Bahasa Melayu/ Malay Language
 - pass in Sejarah / History
 - pass in Matematik dan Matematik Tambahan/ Mathematics and Additional Mathematics
 - pass in any one (1) subject other than the subjects mentioned above

2. SKM GRADUATE.

- Meet the general admission requirements.
- Pass the SPM or equivalent with passing in Bahasa Melayu (Malay Language).
- Possess the Malaysian Skills Certificate (SKM) Level 3 (which is recognized by JPK) in one of the following fields:
 - D-041-3/ IT-020-3 (Computer System Technician) OR
 - IT- 020-3.2013 (Computer System Operation)

PROGRAMME SYNOPSIS :

This 3-year or 1-year 6-month programme is prepared specifically for teaching and learning in Computer Technology with specialization in Computer (System) Technology fields. This skills-oriented programme is expected to provide graduates who are capable and professional in mastering various theoretical and practical aspects, especially in the field of materials. Among the knowledge and skills learned include the software installation such as Windows and LINUX, techniques in development, installation, upgrade and repair computer systems, computer maintenance, server configuration, as well as establishing local and wireless networks. Besides that, the students are also skilled in the production of documentation involving ICT work. In addition, students are not only equipped with technical knowledge, but they will be exposed to soft skills to prepare future graduates before entering the workforce or continuing to study at a higher level either domestically or abroad.

SYLLABUS CONTENT :

Students will be exposed to and study the following subjects :

YEAR ONE

<u>SEMESTER 1</u>	<u>SEMESTER 2</u>
<ul style="list-style-type: none"> Office Application Computer Assembly Computer Software Installation Network Fundamental Basic Electronic Mathematics 1 Physics 1 Islamic Studies 1 / Morale Studies 1 Technical English 1 Co-Curriculum 1 	<ul style="list-style-type: none"> Computer Maintenance Computer Troubleshooting Programming Fundamental Database Management System Mathematics 2 Physics 2 Islamic Studies 2 / Morale Studies 2 Technical English 2 Co-Curriculum 2

YEAR THREE

<u>SEMESTER 3</u>	<u>SEMESTER 4</u>
<ul style="list-style-type: none"> Server Maintenance Mobile Device Configuration Server Essential Web Development Mathematics 3 Engineering Science Islamic Studies 3 / Morale Studies 3 	<ul style="list-style-type: none"> ICT Maintenance Management Network Installation Management Microcontroller Technology Visual Programming Linux Administration Final Year Project 1 e-Entrepreneurship

YEAR THREE

<u>SEMESTER 5</u>	<u>SEMESTER 6</u>
<ul style="list-style-type: none"> Network Infrastructure Management System Computer System Security Computer System And Network Procurement Hak Pekerja Final Year Project 2 	<ul style="list-style-type: none"> Industrial Training

MACHINE AND TOOLS:

1. Application Computer Laboratory.
2. Database Computer Laboratory.
3. Web Graphics Computer Laboratory.
4. Programming Computer Laboratory.
5. Multimedia Computer Laboratory.
6. Hardware Laboratory.

SPONSORSHIPS AND SCHOLARSHIPS

PTPK, JPA, Baltulmal, SUK Negeri (State Government Secretary), Yayasan Negeri (State Foundation), Yayasan Bank Rakyat (Bank Rakyat Foundation)

JOB PROSPECTS

With the knowledge and skills acquired, students can find job opportunities such as:

1. Assistant System Engineer.
2. Computer Programmer.
3. Assistant System Analyst
4. Computer System Technician.
5. Computer Maintenance Technician.
6. Computer System Administrator.
7. Computer Network Technician.
8. Computer Network Administrator.
9. Website Developer.
10. IT Technical Support.
11. IT Executive.
12. Software Developer.



THE PROSPECT OF FURTHER STUDIES

The opportunity to continue studying for a Bachelor's Degree in public and private educational institutes, domestically and abroad such as:

i. Malaysian Institute of Information Technology (MIIT) UNIKL

- Bachelor of Computer Engineering Technology (Networking Systems) with Honours
- Bachelor of Information Technology (Hons) in Software Engineering
- Bachelor of Information Technology (Hons) in Computer System Security
- Bachelor of Computer Engineering Technology (Computer Systems) with Honours

ii. Universiti Malaysia Perlis (UNIMAP)

- Bachelor of Computer Engineering with honours

iii. Fakulti Teknikal dan Vokasional, UPSI

- Ijazah Sarjana Muda Pendidikan (Reka Bentuk dan Teknologi) dengan Kepujian

iv. Universiti Tun Hussein Onn Malaysia (UTHM)

- Bachelor of Information Technology
- Bachelor of Computer Science (Software Engineering) with Honours
- Bachelor of Computer Science (Multimedia Computing) with Honours
- Bachelor of Computer Science (Web Technology) with Honours
- Bachelor of Computer Science (Information Security) with Honours

v. Universiti Teknikal Malaysia Melaka (UTEM)

- Bachelor of Computer Science (Computer Networking)
- Bachelor of Computer Science (Computer Security)
- Bachelor of Information Technology (Game Technology)
- Bachelor of Computer Science (Artificial Intelligence)
- Bachelor of Computer Science (Interactive Media)
- Bachelor of Computer Science (Database Management)
- Bachelor of Computer Science (Software Development)

vi. Universiti Malaysia Pahang (UMP)

- Bachelor of Electronics Engineering Technology (Computer System) With Honours
- Bachelor of Computer Science (Computer Systems & Networking) with Honours

PRODUCT



PENERAJU KEMAHIRAN TERBILANG

Pusat Latihan Teknologi Tinggi, Taiping

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ADTEC TAIPING