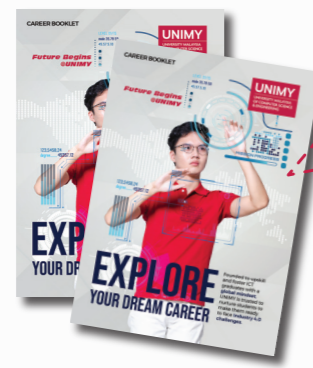


IR 4.0 EDUCATION PATHWAY & CAREER OPTIONS



Get an exclusive copy of UNIMY Career booklet!



Malaysia's Premier Digital Technology University

Future Begins @ UNIMY

**STPM / UEC /
Foundation* / A-levels or
Equivalent**

**SPM / IGCSE
O-levels
or Equivalent**

**Foundation in
Computing &
Engineering**

DEGREE

- Bachelor of Computer Science with Honours
- Bachelor of Software Engineering with Honours
- Bachelor of Engineering (Hons) in Computer Engineering
- Bachelor of Business Administration (Management Information Systems) (Honours)

INTERNET OF THINGS (IoT)

- Networking System & Technology
- Interconnect Network Structure I & II
- Robotic & Autonomous Devices (Computer Application)
- Emerging Communication (5G)
- IOT & SMART Application
- Network Defence

A.I & BIG DATA / CLOUD COMPUTING

- Database Server Admin I
- Database Server Admin II
- Dynamic Web System Development
- Intergrated Software Development
- Introduction to Cyber security
- Introduction to Programming
- Mathematics
- Human Computer Interaction
- Introduction to AI
- Data Communications (Networking)
- Machine Learning, Data Science
- Internet Programming

CYBER SECURITY / CODING + DEVOPS & AGILE

- Ethical Hacking
- Network Defence
- Information Technology System Security
- Introduction to Ethical Hacking & Intrusion Prevention
- Forensics in Digital Security
- Introduction to Cryptography
- Basic Information Technology Security
- Internetworking Security
- Information Technology Security Management & Audit

BUSINESS COMPUTING (E-COMMERCE)

- Cyberpreneurship
- Problem Solving and Programming
- Data and Information Management
- Principles of Marketing
- Database Systems
- Business Information Systems Analysis & Design
- Internet Systems Development
- Enterprise Architecture
- Information Systems
- IS Strategy, Management & Acquisition
- Database Modelling and Design
- Information Technology Infrastructure
- Database Modelling and Design

BUSINESS COMPUTING (FINTECH)

- Accounting, Business
- Mathematics II
- Financial Management,
- Investment Analysis

DIPLOMA

- Diploma in Information Technology
- Diploma in Information Technology (Cyber Security)
- Diploma in Interactive and Digital Media
- Diploma in Information Systems (Business Computing)
- Diploma in Computer Science (Game Development)

POSTGRADUATE

- Master in Computing
- Master of Science (Computer Science)
- Doctor of Philosophy (Computing)

TALENT DEVELOPMENT

According to studies, an additional 185,000 jobs will be introduced to the digital industry by the year 2020. These jobs will be spread out amongst emerging areas such as FinTech, Creative, eCommerce, IoT, Big Data Analytics, Artificial Intelligence and Robotics. Here's a breakdown of what to expect by 2020.

355,119
The digital workforce as of 2017

540,000
Estimated amount of digital jobs in 2020

15%
Estimated growth of talent requirement by 2020

TOP 3 : REASONS TO START A CAREER IN

According to 100 CIOs

1. COMPETITIVE SALARIES

IT jobs are known for higher than average starting salaries.

→ **RM89,640** →

The median salary for tech workers in 2018 was RM89,640

2. JOB OPPORTUNITIES

The need for qualified IT pros continues to rise.

→ **3.7 Million** →

In 2018, there were 3.7 million postings for tech occupation job openings with nearly 400,000 job postings in emerging tech areas.

3. CAREER STABILITY

IT pros are in demand and will continue to be.

→ **261,000** →

There were 262,000 new tech occupation jobs added in 2018

The **NINE OCCUPATIONS** below have excellent outlooks.

9 OCCUPATIONS	Web Developer	Computer Network Architect	Computer and Information Research Scientist
	Computer Systems Analyst	Database Administrator	Computer Support Specialist
	Information Security Analyst	Network and Computer Systems Administrator	Software Developer