ENGINEERING & COMPUTING

- Prospectus -
2024

SUNWAY UNIVERSITY
A Class Above

CONTENTS

CONTACT:

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SUNWAY IS ONE OF THE TOP 150 UNIVERSITIES IN THE WORLD UNDER 50 YEARS OLD

As one of Malaysia's leading and internationally recognised private universities, Sunway University is positioned amongst top universities in the world by QS World University Rankings. Sunway University is ranked #586 globally in the QS World University Rankings 2024 and is the #1 non-government linked private university in Malaysia in the Times Higher Education World University Rankings 2023.

Sunway University has been awarded #1 in Graduate Employability among all universities in Malaysia by Talentbank Group for two consecutive years (2022, 2023) through the National Graduate Employability Index.

The University emerged as an Overall 5 Star rated (Excellent) institution in the QS Stars University Ratings, as well as Five-Star ratings for the individual categories: teaching, facilities, employability, social responsibility, inclusiveness, academic development and internationalisation.

Collaborating with world class partners - Lancaster University and Le Cordon Bleu International, Sunway University offers premier education with international repute. The University also partners University of Oxford, University of Cambridge, Harvard University, Massachusetts Institute of Technology and University of California, Berkeley.

MALAYSIA'S #1
NON-GLU* PRIVATE UNIVERSITY
as awarded by
Times Higher Education

THE World University Rankings 2024

*Government-Linked University

IN THE TOP 600 IN THE WORLD

TEACHING
EMPLOYABILITY
FACILITIES
SOCIAL RESPONSIBILITY
ACADEMIC DEVELOPMENT
INTERNATIONALISATION
INCLUSIVENESS

EXCELLENT

INTRODUCTION

Industrial Revolution 4.0, Artificial Intelligence (AI), Internet of Things (IoT), electronics innovation, and the growth of new materials, chemicals and technological platforms have further propelled the demand for tech specialists and engineers. Pandemic of 2020 also highlighted the importance of innovation and technology advances, and the need for such skilled professionals.

The School of Engineering and Technology at Sunway University, Malaysia, stands as a beacon of innovation and academic excellence in the region. With a commitment to nurturing future ready engineers and technology leaders, our school offers a dynamic and inclusive learning environment that merges cutting-edge knowledge with practical skills. Our school comprises accomplished academics and industry experts dedicated to delivering top-tier education, fostering creativity and through state-of-the-art facilities and hands on learning experiences including electrical engineering, mechanical engineering, computer science and many more.

The only private Malaysian university with the **highest number of Top 2% scientist** in their respective disciplines.
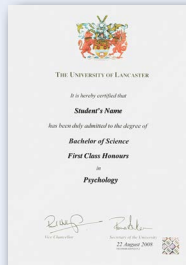
Stanford University List of Top 2% Scientist 2023

Recognised for its qualifications and commitment in offering top-notch digital technology degree programmes and generations of highly-skilled graduates for the industry.

MALAYSIA'S BEST FACULTY OF THE YEAR
SCHOOL OF ENGINEERING AND TECHNOLOGY

MD Premier Digital Tech Institution

MDEC CERTIFICATE OF AWARD
Proudly Awarded To:
SUNWAY UNIVERSITY

Upon successful completion of the programme, graduates are awarded 2 certificates; one from Sunway University and another from Lancaster University.

VALIDATED BY:

Lancaster University

THE UNIVERSITY OF LANCASTER
It is hereby certified that
Student's Name
has been duly admitted to the degree of
Bachelor of Science
First Class Honours
in
Psychology
22 August 2008

Sunway University
This is to certify that
Student's Name
had been duly admitted to the degree of
Bachelor of Science
First Class Honours
in

TOWARDS RECOGNITION* BY BOARD OF ENGINEERS MALAYSIA (BEM)

Through BEM, Malaysia is a signatory to the Washington Accord (WA). Following the WA agreement on mutual recognition of engineering qualifications, graduates from BEM-accredited engineering programmes will be mutually recognised for professional registration and eligible to perform professional engineering services in countries such as the US, Canada, UK, Australia, New Zealand, Korea, China, Singapore, and more.

Sunway University's Engineering programmes are provisionally accredited by the Board of Engineers Malaysia (BEM) and will be ready for full accreditation during its first cohort's final year.

COLLABORATIONS WITH INDUSTRY PARTNERS:

CYBIANT

Alibaba Business School

Global Digital Talent

F:RTINET

IVERSON

DAIKIN

SSAS

aws academy Member Institution

ENTERPRISE BIG DATA FRAMEWORK

cisco Networking Academy

EC-Council

ENTRY REQUIREMENTS
COMPUTING

PROGRAMME	ENTRY REQUIREMENTS	SPECIFIC REQUIREMENTS	ENGLISH REQUIREMENTS
BSC (HONS) IN COMPUTER SCIENCE	**STPM** Average C or CGPA 2.00 (minimum 2 principals) **A-Level** Minimum 12 points (Minimum Grade D in at least 2 subjects) **Australian Matriculation** ATAR 60 **Canadian International Matriculation Programme** 60% **MUFY** 60% **Sunway Foundation in Arts** CGPA 2.30 **Sunway Foundation in Science & Technology** CGPA 2.30 **UEC** Maximum 26 points from 5 subjects (all grade Bs) **IB Diploma** Completed with minimum 25 points (excluding bonus points) **Sunway Diploma** CGPA 2.50 or equivalent **Other Qualifications**: Any other qualifications will be considered on a case-to-case basis	Credit in Additional Mathematics at SPM B in Advanced Mathematics in UEC or its equivalent Candidates with the following qualifications or its equivalent: • STPM (non-science stream) • STAM • A-Level • Matriculation or Foundation who do not have Additional Mathematics at SPM level or its equivalent may be admitted with a credit in Mathematics and any one of the Science, Technology or Engineering subjects at SPM level or its equivalent. Candidates need to enrol and pass a Mathematics Enhancement subject at the beginning of the study. The above requirements can be excluded if the Foundation / Matriculation programmes offered a Mathematics subject and the achievements are equivalent / higher than a requirement of a credit in Additional Mathematics at SPM level or equivalent.	**IELTS or equivalent** 6.0 **MUET** Band 4 **SPM English** B3 or B+ **UEC English** Credit **O-Level English (1119)** Credit **Sunway Intensive English Programme (IEP)** Pass Level 4 with minimum 65% **ESL/English** Satisfactory level in Pre-University programmes, where the medium of instruction is English **Note:** The following students will be exempted from the English Language requirement: Students from countries that use English as the official language; **OR** Students with academic qualifications from institutions that use English as a full medium of instruction.
BACHELOR OF SOFTWARE ENGINEERING (HONS)			
BACHELOR OF INFORMATION SYSTEMS (HONOURS) (DATA ANALYTICS)		Credit in Mathematics at SPM B in Mathematics in UEC or its equivalent A credit in Mathematics at SPM level or its equivalent will be required for the following qualifications and its equivalent: • STPM • STAM • A-Level • Matriculation or Foundation • Diploma programme that are not in Computing Candidates with only a pass in Mathematics will need to enrol and pass a Mathematics Enhancement subject at the beginning of study.	
BSC (HONS) INFORMATION TECHNOLOGY (COMPUTER NETWORKING AND SECURITY)			
BACHELOR OF SCIENCE (HONOURS) IN INFORMATION TECHNOLOGY			

Note: For A-Level points calculation
A = 10 points   B = 8 points   C = 6 points   D = 4 points   E = 2 points

INTAKES
JANUARY • APRIL • SEPTEMBER

DURATION
3 YEARS

ENTRY REQUIREMENTS
ENGINEERING

PROGRAMME	ENTRY REQUIREMENTS	SPECIFIC REQUIREMENTS	ENGLISH REQUIREMENTS
BACHELOR OF CHEMICAL ENGINEERING WITH HONOURS	**STPM** CGPA 2.00 including Mathematics & one Natural Sciences subject (with minimum Grade C) **A-Level** Minimum 12 points for Mathematics & one Natural Sciences subject (with minimum Grade D) **Australian Matriculation** ATAR 65 (including Mathematics Methods & one Natural Sciences subject) **Canadian International Matriculation Programme** 65% (including Advanced Functions, Calculus & Vectors and one Natural Sciences subject)	Natural Sciences subjects are Physics, Biology or Chemistry. Chemistry will be given preference. SPM or equivalent in Science stream will be given preference.	**IELTS or equivalent** 6.0 **MUET** Band 4 **SPM English** B3 **UEC English** B3 **O-level English (1119)** B3 **Sunway Intensive English Programme (IEP)** Pass Level 4 with minimum 65%
BACHELOR OF ELECTRONIC AND ELECTRICAL ENGINEERING WITH HONOURS	**MUFY** 65% (including Mathematics & one Natural Sciences subject) **Sunway Foundation in Science & Technology** CGPA 2.30 (including Mathematics and one Natural Sciences subject) **UEC** Maximum 24 points from 5 subjects (all grade Bs including Mathematics and one Natural Sciences subject) **Diploma** CGPA 2.50 from any diploma in Engineering, Science or Technology	Natural Sciences subjects are Physics, Biology or Chemistry. Physics will be given preference. SPM or equivalent in Science stream will be given preference.	**ESL/English** Satisfactory level at Pre-University programmes with English as the medium of instruction. **Additional requirements** For Malaysian students entering using an entry qualification whereby the medium of instruction is not in English, MQA requires the student to possess a MUET or international English proficiency qualification in order to register for the Engineering programmes.
BACHELOR OF MECHANICAL ENGINEERING WITH HONOURS	**Matriculation/Foundation** CGPA 2.50 (including Mathematics and one Natural Sciences subject) **IB Diploma** Completed with minimum 25 points (excluding bonus points)(including Mathematics and one Natural Sciences subject) **Other Qualifications** CGPA 2.50 equivalent and any other qualifications will be considered on a case-to-case basis.		

Note: For A-Level points calculation
A = 10 points   B = 8 points   C = 6 points   D = 4 points   E = 2 points

INTAKES
JANUARY • APRIL • SEPTEMBER

DURATION
4 YEARS

FIELDS IN COMPUTING

Programme
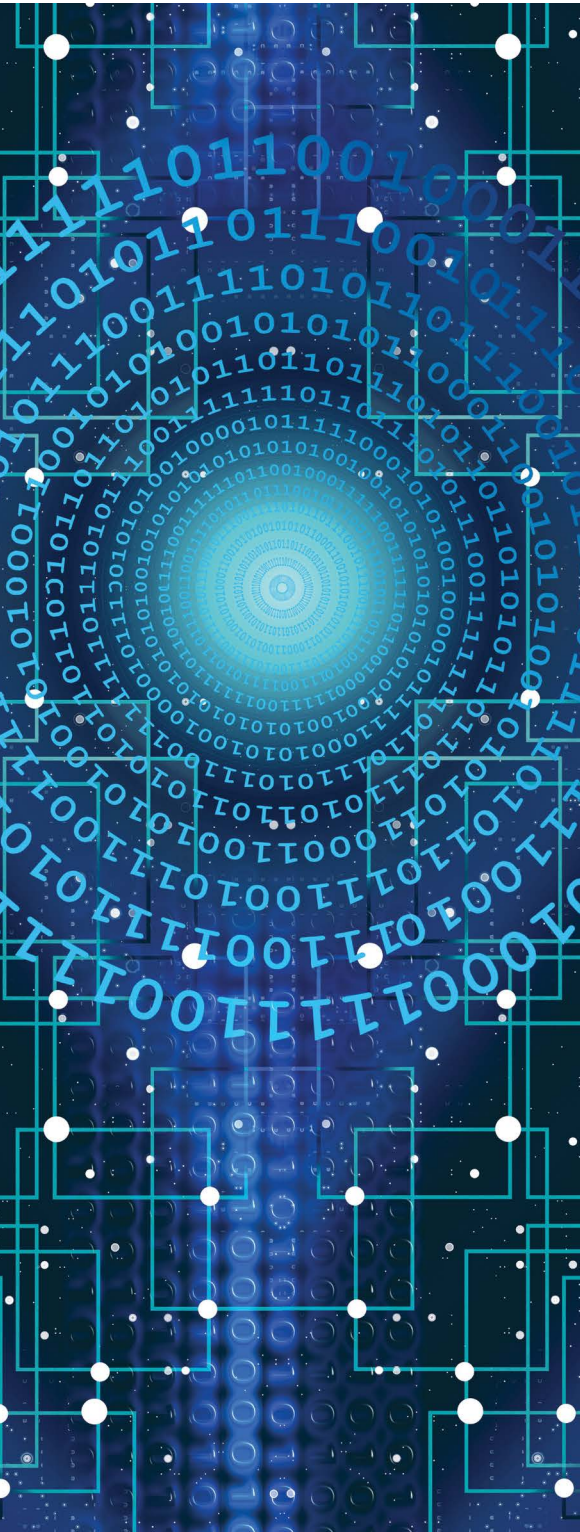
SPM / O-LEVEL

PRE-UNIVERSITY
- Foundation in Arts (FIA)
- Foundation in Science & Technology (FIST)
- Australian Matriculation (AUSMAT)
- Cambridge GCE A-Level
- Canadian International Matriculation Programme (CIMP)
- Monash University Foundation Year (MUFY)

STPM or equivalent

1/1.5 years

SUNWAY DIPLOMA
- Diploma in Information Technology
- Diploma in Computer Science
  [Pathway to Bachelor of Information Systems (Hons) (Data Analytics)]

2 years

AMERICAN DEGREE TRANSFER PROGRAM

2 years

US / CANADIAN UNIVERSITIES

2 years

Specialised Fields

Data Analytics

Computer Science

Software Engineering

Information Technology

Computer Networking & Security

Big Data & Cloud
• Big Data Analytics in the Cloud

Internet of Things (IoT)
• Distributed Systems

Software Development Life Cycle
• Requirement Engineering
• Software Evolution & Maintenance
• Software Testing

Customer Relationship Management

Hacking/ Forensic
• Computer Hacking Forensic Investigator

Data Mining and Knowledge Discovery

Computational Intelligence

Cloud Computing

Network Management
• Advanced Computer Networks
• Computer Networks
• Network and System Administration

Information Systems
• Business Intelligence Systems

Desktop/Mobile Application Development
• Human Computer Interaction
• Object-oriented Programming

Network Security

Analytics & Statistics
• Analytics Engineering
• Social and Web Analytics
• Statistics for Data Analytics

Computing Algorithms
• Data Structures & Algorithm

Computing Algorithms
• Operating System Fundamentals

Information Systems Analysis & Design

Database Development
• Database Management Systems

Ethical Hacking and Countermeasures Fundamentals

Artificial Intelligence

Cyber Security
• Advanced Topics in Computer Security

Data Science Fundamentals
• Information Systems Concepts
• Linear Algebra & Applications

Computer Fundamentals
• Programming Principles • Computer Mathematics
• Web Fundamentals • Networking Principles

Business & Entrepreneurship
Digital Economy • Startup Foundry
• Accounting for Decision Making
• Principles of Entrepreneurship

BSC (HONS) IN COMPUTER SCIENCE

PROGRAMME INTRODUCTION

The Computer Science programme was designed to produce innovators and creators of new computing systems as well as designing and developing various types of software such as systems infrastructure or application technologies.

The programme is developed in accordance to ACM-IEEE(CS) and MQA recommendations, while offering a comprehensive syllabus that enables graduates to thrive in the working world and be leaders in their own niches.

VALIDATED BY:

Lancaster University

CAREER PROSPECTS

- Chief technology officer
- Game developer
- IT executive
- IT project manager
- IT technical solutions consultant
- Mobile app developer
- Software architect/ software engineer
- System administrator
- System designer
- System engineer

Software Taught

- Akka
- Eclipse
- Figma
- Haskell
- IntelliJ IDEA
- Java
- Oracle DBMS
- Python
- Repl.It
- SBT
- Scala
- SQL
- Visual Studio Code

DISTINCTIVE SUNWAY EXPERIENCE

Students are exposed to latest Cloud technologies and principles so that they can be equipped with the fundamentals of Cloud computing via our industry partners such as AWS.

aws academy
Member Institution

PROGRAMME STRUCTURE - Subjects

Year 1

- Computer Mathematics
- Computer Organisation
- Database Fundamentals
- English for Computer Technology Studies
- Networking Principles
- Object-Oriented Programming Fundamentals
- Operating Systems Fundamentals
- Programming Principles
- Web Fundamentals

Year 2

- Communication Skills
- Data Structures and Algorithms
- Entrepreneurial Mindset & Skills
- Free Electives (Choose 3)
- Object-Oriented Programming
- Software Engineering
- **Discipline Electives (Choose 2)**

Year 3

- Artificial Intelligence
- Capstone Project 1 & 2
- Distributed Systems
- Human Computer Interaction
- Internship
- **Discipline Electives (Choose 3)**

Data Science & Analytics

- Social & Web Analytics
- Data Mining & Knowledge Discovery Fundamentals

Advanced Artificial Intelligence

- Computer Vision
- Computational Intelligence

Software Solutions

- Database Management Systems
- Digital Image Processing
- Functional Programming Principles
- Concurrent Programming
- Database Engineering
- Mobile Application Development

Networking and Security

- Data Communications
- Computer Networks
- Computer Security

Software Design

- Information Systems Analysis & Design
- Programming Languages
- Cloud Computing
- Software Architecture & Design Patterns
- UI/UX Design & Development

FREE ELECTIVES

Note: These are just some of the electives

- Accounting for Decision Making
- Digital Economy
- Principles of Entrepreneurship
- Startup Foundry

MOHE COMPULSORY GENERAL STUDIES SUBJECTS

For Local students:

- Appreciation of Ethics & Civilisation
- Bahasa Kebangsaan A
  (Applicable to students who did not sit for SPM or did not obtain a Credit in SPM Bahasa Melayu) / Critical Thinking
- Community Service for Planetary Health
- Integrity & Anti-Corruption
- Philosophy & Current Issues

For International students:

- Appreciation of Ethics & Civilisation
- Community Service for Planetary Health
- Critical Thinking
- Integrity & Anti-Corruption
- Malay Language for Communication 2

BACHELOR OF INFORMATION SYSTEMS (HONOURS) (DATA ANALYTICS)

PROGRAMME INTRODUCTION

The Data Analytics programme focuses on the development of analytical skills in the study of technologies. Harnessing and analysing massive data creates significant value for organisations and it has become the basis for decision-making to achieve greater efficiency while spearheading constant innovation.

During their studies, students will solve practical and real-world problems of companies utilising data sets in the presence of analytics experts.

VALIDATED BY:

Lancaster University

CAREER PROSPECTS

- Big data system architect
- Business intelligence manager/specialist/architecture consultant
- Chief data scientist
- Chief knowledge analyst
- Chief social media scientist
- Credit scorecard specialist
- Customer segmentation specialists
- Forensic experts

Software Taught
- Cloudera
- Power BI
- Python
- R
- SAS
- SQL
- Tableau

DISTINCTIVE SUNWAY EXPERIENCE

In this programme, students will be awarded a SAS Joint Certificate in Big Data with Advanced Techniques in Data Science and an academic digital badge to validate their knowledge. As one of the **Top 10 Most Prominent Data Science Institutes***, Sunway students learn innovative ways to use and leverage data to generate actionable outcomes across a variety of industries.

Python and R languages and the SAS tools are taught in the programme. The collaboration with AWS and Alibaba GET enhance & provide students a 360 degree view of analytics knowledge and skills.

*Analytics Insight Magazine (January 2022)

§sas ENTERPRISE BIG DATA FRAMEWORK® aws academy Member Institution SUNWAY UNIVERSITY A CLASS ABOVE ACADEMIC §sas

Alibaba Business School Global Digital Talent

PROGRAMME STRUCTURE - Subjects

Year 1
- Computer Organisation
- Data Mining & Knowledge Discovery Fundamentals
- Database Fundamentals
- English for Computer Technology Studies
- Information Systems Concepts
- Linear Algebra and Applications
- Networking Principles
- Operating System Fundamentals
- Programming Principles

Year 2
- Analytics Engineering
- Communication Skills
- Enterprise Architecture
- Entrepreneurial Mindset & Skills
- Free Electives (Choose 3)
- Information Systems Analysis & Design
- Statistics for Data Analytics
- Social and Web Analytics

Year 3
- Advanced Business Analytics
- Artificial Intelligence
- Big Data Analytics in the Cloud
- Business Intelligence Systems
- Capstone Project 1 & 2
- Data Mining & Knowledge Discovery
- Database Management Systems
- Internship
- Project Management

FREE ELECTIVES
Note: These are just some of the electives

- Accounting for Decision Making
- Digital Economy
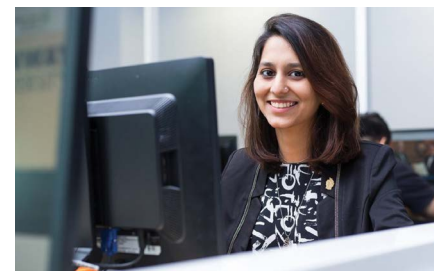- Startup Foundry
- Principles of Entrepreneurship

MOHE COMPULSORY GENERAL STUDIES SUBJECTS

For Local students:
- Appreciation of Ethics & Civilisation
- Bahasa Kebangsaan A
  (Applicable to students who did not sit for SPM or did not obtain a Credit in SPM Bahasa Melayu) / Critical Thinking
- Community Service for Planetary Health
- Integrity & Anti-Corruption
- Philosophy & Current Issues

For International students:
- Appreciation of Ethics & Civilisation
- Community Service for Planetary Health
- Critical Thinking
- Integrity & Anti-Corruption
- Malay Language for Communication 2

BSC (HONS) INFORMATION TECHNOLOGY (COMPUTER NETWORKING AND SECURITY)

PROGRAMME INTRODUCTION

The Computer Networking and Security programme aims to equip students with technical competencies in exploring the technology behind computer networks and security systems.

This programme focuses on networking developments and distributed applications within the Internet, corporate networks and the information systems in which they interconnect. In terms of computer security, students will gain the ability to manage and develop computer systems and applications that enhance networking and security within organisations.

VALIDATED BY:

Lancaster University

CAREER PROSPECTS

- Digital forensic investigator
- IT security consultant
- Network engineer
- Network infrastructure specialist
- Penetration tester
- Security analyst
- Security engineer

Software Taught
- Aircrack
- Android Studio
- Burp Suite
- Cisco Packet Tracer
- FTK imager
- Maltego
- Metasploit
- Nmap
- RSA Netwitness
- Sleuth Kit
- Virtualisation software

DISTINCTIVE SUNWAY EXPERIENCE

Students in this programme will experience the latest techniques in IT security and developing critical threat-hunting expertise, developed in collaboration with one of the world's leading cybersecurity organisation, RSA.

Together with EC-Council, our students have the chance to obtain up to two professional certificates during their studies. Students may also choose to attend CCNA professional examination.

Iverson · **CEH** Certified Ethical Hacker · **CHFI** Computer Hacking Forensic INVESTIGATOR · **EC-Council** · **F⊡RTINET** · **CISCO** Networking Academy

PROGRAMME STRUCTURE - Subjects

Year 1

- Computer Mathematics
- Computer Organisation
- Database Fundamentals
- English for Computer Technology Studies
- Networking Principles
- Object-Oriented Programming Fundamentals
- Operating Systems Fundamentals
- Programming Principles
- Web Fundamentals

Year 2

- Communication Skills
- Computer Networks
- Distributed Systems
- Entrepreneurial Mindset & Skills
- Free Electives (Choose 3)
- Network & System Administration
- Network Security
- Probability & Statistics

Year 3

- Advanced Computer Networks
- Advanced Topics in Computer Security
- Capstone Project 1 & 2
- Computer Hacking Forensic Investigator
- Data Communications
- Ethical Hacking & Countermeasures Fundamentals
- Human Computer Interaction
- Internship

FREE ELECTIVES

Note: These are just some of the electives

- Accounting for Decision Making
- Digital Economy
- Principles of Entrepreneurship
- Startup Foundry

MOHE COMPULSORY GENERAL STUDIES SUBJECTS

For Local students:
- Appreciation of Ethics & Civilisation
- Bahasa Kebangsaan A
  (Applicable to students who did not sit for SPM or did not obtain a Credit in SPM Bahasa Melayu) / Critical Thinking
- Community Service for Planetary Health
- Integrity & Anti-Corruption
- Philosophy & Current Issues

For International students:
- Appreciation of Ethics & Civilisation
- Community Service for Planetary Health
- Critical Thinking
- Integrity & Anti-Corruption
- Malay Language for Communication 2

BACHELOR OF SOFTWARE ENGINEERING (HONS)

PROGRAMME INTRODUCTION

The Software Engineering programme empowers students with the knowledge and understanding of user requirements in analysing, modelling, designing, and developing large-scale software systems that are reliable and robust. Such Software Engineering (SE) specialists will be able to respond to the ever-growing impact of large-scale software systems in a wide range of situations.

Furthermore, this programme will enable them to select the most appropriate and reliable techniques for producing quality software systems on time and within budget.

VALIDATED BY:

Lancaster University

CAREER PROSPECTS

- Game developer
- Mobile app developer
- Requirement engineer
- Software architect
- Software engineer
- Software quality assurance officer
- Software tester
- System designer
- Technical analyst
- Web developer

Software Taught
- Android Studio
- Eclipse
- Figma
- Java
- IntelliJ IDEA
- Oracle DBMS
- PHP
- Python
- Repl.It
- SBT
- SQL
- Scala
- Visual Studio Code
- Web Servers

DISTINCTIVE SUNWAY EXPERIENCE

Together with Malaysian Software Testing Board (MSTB), member of International Software Testing Quality Board (ISTQB) and through their partnership with International Requirements Engineering Board (IREB), our students have the opportunity to obtain up to two professional certificates known as Certified Tester Foundation Level (CTFL) and Certified Professional in Requirements Engineering-Foundation Level (CPRE-FL) during their study. These industry-linked certificates will be an added advantage for our graduates, making them highly employable.

PROGRAMME STRUCTURE - Subjects

Year 1
- Computer Mathematics
- Computer Organisation
- Database Fundamentals
- English for Computer Technology Studies
- Networking Principles
- Object-Oriented Programming Fundamentals
- Operating Systems Fundamentals
- Programming Principles
- Web Fundamentals

Year 2
- Communication Skills
- Entrepreneurial Mindset & Skills
- Free Electives (Choose 3)
- Project Management
- Requirement Engineering
- Software Engineering
- **Discipline Electives (Choose 2)**

Year 3
- Capstone Project 1 & 2
- Computer Security
- Internship
- Software Architecture and Design Patterns
- Software Evolution & Maintenance
- Software Processes
- Software Testing
- **Discipline Electives (Choose 3)**

DISCIPLINE ELECTIVES
Software Development
- Object-Oriented Programming
- Code Camp
- Concurrent Programming
- Human Computer Interaction

Networking and Security
- Data Communication
- Network Security
- Advanced Network Security
- Computer Networks

Software Solutions and Design
- Database Management Systems
- Data Structures and Algorithms
- Digital Image Processing
- Cloud Computing
- Database Engineering

Artificial Intelligence
- Artificial Intelligence
- Computer Vision

Mobile App Development
- Mobile Application Development

FREE ELECTIVES
Note: These are just some of the electives
- Accounting for Decision Making
- Digital Economy
- Principles of Entrepreneurship
- Startup Foundry

MOHE COMPULSORY GENERAL STUDIES SUBJECTS

For Local students:
- Appreciation of Ethics & Civilisation
- Bahasa Kebangsaan A
  (Applicable to students who did not sit for SPM or did not obtain a Credit in SPM Bahasa Melayu) / Critical Thinking
- Community Service for Planetary Health
- Integrity & Anti-Corruption
- Philosophy & Current Issues

For International students:
- Appreciation of Ethics & Civilisation
- Community Service for Planetary Health
- Critical Thinking
- Integrity & Anti-Corruption
- Malay Language for Communication 2

BACHELOR OF SCIENCE (HONOURS) IN INFORMATION TECHNOLOGY

PROGRAMME INTRODUCTION

The Information Technology programme was designed to provide our graduates with strong analytical skills and the knowledge to keep abreast with the rapid advances in technology.

Students undertaking this programme are exposed to both technical and real-world practical experiences through the specially-crafted coursework and industrial training, making our graduates market-ready upon graduation.

During their study, students may select electives to explore and enhance their knowledge in specific fields such as network management and security, database engineering and mobile development.

VALIDATED BY:

Lancaster University

CAREER PROSPECTS

- Database architect
- IT specialist
- Network specialist
- System engineer
- Web/E-commerce architect

Software Taught

- Android Studio
- Cisco Packet Tracer
- CSS
- Eclipse
- Figma
- HTML
- Java
- Javascript
- PHP
- Python
- Repl.It
- Scala
- SQL

DISTINCTIVE SUNWAY EXPERIENCE

This programme will give the students a good mix of knowledge in both software and hardware. With the knowledge from both sides, the students will be equipped with the skills required to develop an organisation's technology infrastructure and support the people who use it.

Students are exposed to latest Cloud technologies and principles so that they can be equipped with the fundamentals of Cloud computing via our industry partners such as AWS.

aws academy
Member Institution

PROGRAMME STRUCTURE - Subjects

Year 1

- Computer Mathematics
- Computer Organisation
- Database Fundamentals
- English for Computer Technology Studies
- Networking Principles
- Object-Oriented Programming Fundamentals
- Operating Systems Fundamentals
- Programming Principles
- Web Fundamentals

Year 2

- Communication Skills
- Computer Networks
- Entrepreneurial Mindset & Skills
- Free Electives (Choose 3)
- Software Engineering
- Web Programming
- **Discipline Elective (Choose 2)**

Year 3

- Project Management
- Capstone Project 1 & 2
- Cloud Computing
- Human Computer Interaction
- Internship
- **Discipline Electives (Choose 3)**

DISCIPLINE ELECTIVES

Software Development and Design

- Database Management Systems
- Data Structures and Algorithms
- Object-Oriented Programming
- Database Engineering
- Mobile Application Development
- UI/UX Design and Development
- Software Architecture and Design Patterns

Networking and Security

- Data Communications
- Network Security
- Advanced Computer Networks
- Advanced Network Security
- Computer Security
- Distributed Systems
- Network & System Administration
- Network Management

Business Solutions and AI

- Customer Relationship Management
- Enterprise Application Development
- Artificial Intelligence

Data Science

- Data Mining and Knowledge Discovery Fundamentals
- Big Data Analytics in the Cloud

FREE ELECTIVES

Note: These are just some of the electives

- Accounting for Decision Making
- Digital Economy
- Principles of Entrepreneurship
- Startup Foundry

MOHE COMPULSORY GENERAL STUDIES SUBJECTS

For Local students:

- Appreciation of Ethics & Civilisation
- Bahasa Kebangsaan A *(Applicable to students who did not sit for SPM or did not obtain a Credit in SPM Bahasa Melayu)* / Critical Thinking
- Community Service for Planetary Health
- Integrity & Anti-Corruption
- Philosophy & Current Issues

For International students:

- Appreciation of Ethics & Civilisation
- Community Service for Planetary Health
- Critical Thinking
- Integrity & Anti-Corruption
- Malay Language for Communication 2

BACHELOR OF CHEMICAL ENGINEERING WITH HONOURS

PROGRAMME INTRODUCTION

Chemical Engineering is a discipline dealing with creating, developing and designing processes to produce, transform or transport products and materials. It combines the knowledge of natural, experimental and life sciences as well as aspects of maths and economics to investigate problems and design solutions for issues such as safety, efficiency and sustainability. Chemical Engineers pioneer new materials and technologies of the future; they design equipment for chemical manufacturing, develop and manage industrial processes that turn raw materials into the most useful products.

Chemical engineers solve major societal challenges in energy, human health, manufacturing and sustainability. They use the knowledge of material and energy balances, heat and mass transfer, thermodynamics, fluid mechanics, separations technologies, chemical reaction kinetics, reactor design, and process design to create sustainable manufacturing processes, robust chemical plants and safe equipment design.

This programme is recognised as equivalent to that of the Lancaster University's MASTER OF ENGINEERING CHEMICAL ENGINEERING WITH HONOURS (MEng Hons). Upon successfully completing the programme, graduates will also be awarded the MEng Hons degree from Lancaster University. They will be awarded two certificates, making them graduates of both Sunway University and Lancaster University.

VALIDATED BY:

Lancaster University

PROGRAMME STRUCTURE - Subjects

Year 1

- Chemical Process Calculations
- Design and Innovative Thinking
- Engineering Materials
- Engineering Mathematics 1
- Engineering Mathematics 2
- Fluid Mechanics
- Organic Chemistry
- Physical Chemistry
- Sustainable Engineering Design

Year 2

- Advanced Engineering Calculus
- Chemical Engineering Lab 1
- Chemical Engineering Thermodynamics
- Communication Skills
- Engineers in Society
- Engineering Statistics & Probability
- Entrepreneurial Mindset & Skills
- Heat Transfer
- Mass Transfer & Separation Processes
- Numerical Methods for Chemical Engineers
- Project Management & Engineering Design

Year 3

- Advanced Transport Phenomena
- Chemical Engineering Lab 2
- Chemical Engineering Lab 3
- Chemical Process Safety
- Chemical Reaction Engineering
- Data Analytics for Engineers
- Design Project 1
- Multiphase System
- Plant Design and Process Synthesis
- Process Dynamics and Control
- Reactor Design and Analysis

Year 4

- Design Project 2
- Final Year Project 1
- Final Year Project 2
- Industrial Training

Year 4 Electives (Depth) (Choose all)

- Advanced Biochemical Engineering
- Advanced Electrochemical Engineering
- Advanced Process Control
- Advanced Wastewater Engineering

Year 4 Electives (Breadth) (Choose 2)

- Carbon Capture & Storage
- Environment & Climate Change
- Nanomaterials & Nanotechnology
- Petroleum Refining & Gas Processing

MOHE COMPULSORY GENERAL STUDIES SUBJECTS

For Local students:

- Appreciation of Ethics & Civilisation
- Bahasa Kebangsaan A *(Applicable to students who did not sit for SPM or did not obtain a Credit in SPM Bahasa Melayu)* / Critical Thinking
- Community Service for Planetary Health
- Integrity & Anti-Corruption
- Philosophy & Current Issues

For International students:

- Appreciation of Ethics & Civilisation
- Community Service for Planetary Health
- Critical Thinking
- Integrity & Anti-Corruption
- Malay Language for Communication 2

CAREER PROSPECTS

- Environmental engineer
- Process engineer
- Petroleum process engineer
- Design engineer
- Product development scientist
- Production engineer
- Chemical data analyst
- Material engineer

BACHELOR OF ELECTRONIC AND ELECTRICAL ENGINEERING WITH HONOURS

PROGRAMME INTRODUCTION

Electronic and Electrical Engineering specialises on electrical and electronic equipment, interfaces and communications. Electrical engineering tends to focus on larger scale electrical equipment and power, whilst electronic engineering is more focused on electronic circuits and devices, computer and communication systems. It gives a fascinating insight into how electrical devices and technology work and in a future that will likely be full of new electric technologies.

The programme gives students a strong technical knowledge in a variety of areas, which include electronics, signal processing, power engineering, computer and communication systems and engineering management. Alongside the theories, students also learn through hands-on practical exposure to ensure that they are prepared for engineering work upon graduation.

This programme is recognised as equivalent to that of the Lancaster University's MASTER OF ENGINEERING ELECTRONIC AND ELECTRICAL ENGINEERING WITH HONOURS (MEng Hons). Upon successfully completing the programme, graduates will also be awarded the MEng Hons degree from Lancaster University. They will be awarded two certificates, making them graduates of both Sunway University and Lancaster University.

VALIDATED BY:

Lancaster University

PROGRAMME STRUCTURE - Subjects

Year 1

- Analogue Electronic Fundamentals
- Digital Electronic Fundamentals
- Electrical Circuits
- Engineering Materials
- Engineering Mathematics 1
- Engineering Mathematics 2
- Engineering Physics
- Instrumentation, Measurement & Controls
- Programming for Engineers

Year 2

- Advanced Engineering Calculus
- Artificial Intelligence
- Communication Skills
- Communication Systems
- Control Systems
- Electrical Power Systems
- Electronic Systems
- Engineers in Society
- Engineering Mathematics 3
- Sustainable Engineering Design
- Entrepreneurial Mindset & Skills
- Microprocessor Systems
- Project Management and Engineering Design
- Signals and Systems

Year 3

- Advanced Digital Design
- AI for Engineering Applications
- Computer Networks
- Data Analytics for Engineers
- Digital Image & Video Processing
- Digital Signal Processing
- Electrical Machines
- Engineering Electromagnetics
- Integrated Design Project 1
- Integrated Design Project 2
- Numerical Methods for Engineers

CAREER PROSPECTS

- Communication engineer
- Computer engineer
- Control engineer
- Design engineer
- Electrical engineer
- Electronic engineer
- Engineering consultant
- Hi-tech entrepreneur
- Product development engineer
- Robotics engineer

Year 4

- Advanced Computer Architecture
- Engineering Design for Industrial Revolution 4.0
- Final Year Project 1
- Final Year Project 2
- Industrial Training
- Networked Embedded Systems
- Power Electronics & Drives
- Wireless & Optical Communications

MOHE COMPULSORY GENERAL STUDIES SUBJECTS

For Local students:

- Appreciation of Ethics & Civilisation
- Bahasa Kebangsaan A *(Applicable to students who did not sit for SPM or did not obtain a Credit in SPM Bahasa Melayu)* / Critical Thinking
- Community Service for Planetary Health
- Integrity & Anti-Corruption
- Philosophy & Current Issues

For International students:

- Appreciation of Ethics & Civilisation
- Community Service for Planetary Health
- Critical Thinking
- Integrity & Anti-Corruption
- Malay Language for Communication 2

JPT/BPP(U)(N/523/6/0317/PA14247)01/28
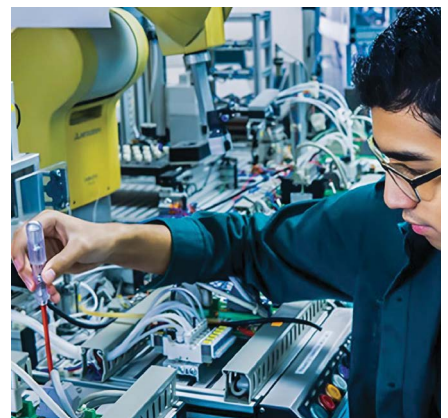
BACHELOR OF MECHANICAL ENGINEERING WITH HONOURS

PROGRAMME INTRODUCTION

The Mechanical Engineering programme is a modern, project-based degree which aims to produce graduates who address the Grand Challenges for Engineering and the UNSDG's.

As a project-based degree, our students will Conceive-Design-Implement-Operate at least 4 engineering systems (or projects) throughout their degree, with at least 2 of such projects being based in real-life industry challenges.

Their projects will address the Grand Challenges and the UNSDG's. To assist them, students will also be taught to meaningfully use current Industry 4.0 tools and softwares such as 3-D Printing, Computational Fluid Dynamics and Finite Element Method.

This programme is recognised as equivalent to that of the Lancaster University's MASTER OF ENGINEERING MECHANICAL ENGINEERING WITH HONOURS (MEng Hons). Upon successfully completing the programme, graduates will also be awarded the MEng Hons degree from Lancaster University. They will be awarded two certificates, making them graduates of both Sunway University and Lancaster University.

VALIDATED BY:

Lancaster University

PROGRAMME STRUCTURE - Subjects

Year 1

- Engineering Materials
- Engineering Mathematics 1
- Engineering Mathematics 2
- Engineering Physics
- Programming for Engineers
- Sustainable Engineering Design

Year 2

- Advanced Engineering Calculus
- Communication Skills
- Computer Modelling & 3D Printing
- Electrical Power Systems
- Engineering Mathematics 3
- Engineers in Society
- Entrepreneurial Mindset & Skills
- Fluid Mechanics
- Project Management & Engineering Design
- Statics
- Thermodynamics & Heat Transfer

Year 3

- Advanced Fluid Mechanics
- Advanced Thermodynamics & Heat Transfer
- Dynamics
- Instrumentation, Measurement & Controls
- Manufacturing Processes
- Microprocessor Systems
- Numerical Analysis & Simulation Tools in Engineering Design
- Solid Mechanics
- Vibrations

Year 4

- Final Year Project 1
- Final Year Project 2
- Industrial Training
- Mechanical Engineering Group Project 1
- Mechanical Engineering Group Project 2

Year 4 Electives (Choose 5)

- Construction Technology
- Introduction to Statistics with SPSS Lab
- Introduction to Business
- Introduction to Business Finance
- Introduction to Psychology
- Machine Learning
- Principles of Entrepreneurship
- Principles of Marketing
- Robotics I
- Sustainable Digital Construction

MOHE COMPULSORY GENERAL STUDIES SUBJECTS

For Local students:
- Appreciation of Ethics & Civilisation
- Bahasa Kebangsaan A *(Applicable to students who did not sit for SPM or did not obtain a Credit in SPM Bahasa Melayu)* / Critical Thinking
- Community Service for Planetary Health
- Integrity & Anti-Corruption
- Philosophy & Current Issues

For International students:
- Appreciation of Ethics & Civilisation
- Community Service for Planetary Health
- Critical Thinking
- Integrity & Anti-Corruption
- Malay Language for Communication 2

CAREER PROSPECTS

- Automotive Engineer
- Automation Engineer
- CAD/CAM Engineer
- Design Engineer
- Manufacturing Engineer
- Materials Engineer
- Mechanical Engineer
- Project Engineer
- Robotic Engineer
- Systems Engineer

FACILITIES

SCHOOL OF ENGINEERING & TECHNOLOGY LABS

The School of Engineering & Technology is well-equipped with state-of-the-art facilities to meet our teaching and research needs. We constantly invest in upgrading, constructing or acquiring new facilities to enhance the learning experience and advance our research possibilities.

CyberSecurity Intelligence (CSI) Lab

House of Multimodal Evolution (HOME) Lab

School of Engineering & Technology (SET) Labs building

Electronic Engineering Lab

Electronic Engineering Lab

Electrical Power Lab

Chemistry Instrument Lab

Control Lab

Engineering Physics Lab

Heat Transfer Lab

Fluid Mechanics Lab

MORE LABS COMING SOON:

- Mass Transfer Lab
- Instrumentation & Control Lab
- Renewable Energy Lab
- Advanced Electronics Engineering Lab
- Chemistry Lab (Organic & Inorganic)
- Process Control & Simulation Lab
- Mechanical Workshop
- Solid Mechanics & Materials Lab
- Sustainable Systems Lab
  & more!

Sunway Centre for Electrochemical Energy and Sustainable Technology Lab

Chemical Engineering Lab equipped with Mass Spectrometer

Research Centre for Nano-Materials and Energy Technology Lab

MOBILITY & STUDY ABROAD

PROGRAMME	MOBILITY OPTIONS*				
	Lancaster University		University of California, Berkeley		Korean Summer/ Winter programme
	Summer programme	Study abroad	Start-up semester	Bootcamp	
DURATION	3 weeks	1 semester	1 semester	4½ days	2 weeks
COMPUTER SCIENCE	✓	✓	✓	✓	✓
INFORMATION SYSTEMS (DATA ANALYTICS)	✓	✓	✓	✓	✓
INFORMATION TECHNOLOGY (COMPUTER NETWORKING AND SECURITY)	✓	✓	✓	✓	✓
SOFTWARE ENGINEERING	✓	✓	✓	✓	✓
INFORMATION TECHNOLOGY	✓	✓	✓	✓	✓
CHEMICAL ENGINEERING	✓	✓	–	–	✓
ELECTRONIC & ELECTRICAL ENGINEERING	✓	✓	–	–	✓
MECHANICAL ENGINEERING	✓	–	–	–	✓

*Terms & conditions apply. The study plan may change on a case-by-case basis.

ACTIVITIES BEYOND THE CLASSROOM

COMPETITION AND RECOGNITION

Our students made it to the Top 5 of the recent nationwide Blockchain Hackathon, winning a total of USD 650 with their project called "Mint Cycle", which aims to enhance the ESG footprint of companies in Malaysia by utilising a smart recycling machine. The winning team: Deaberniswarar Sharmaa and Sasitheran Pathmanathan (Data Analytics students); Low Kwok Chung and Kirthyiban Nair (Computer Science students).

11 & 12 June 2023 - Student team participated in Robocon Competition 2023. (Soong Jia Le, Kho Zi Jian, Brandon Choo Wee Kheong, Lilian Ung Wei Fang, Misha Camelia bt Raemos Ridzuan, Koh Ji Shin, Andres Ernesto Pujazon Cheng, Ooi Ke Vin, Tang Wei Liang)

Alicia Chong Tsui Ying, Data Analytics student, was one of the winner for the Problem Statement Category Award during the Microsoft Code; Without Barriers Hackathon 2023 launched by Microsoft in collaboration with iTrainAsia and Girls in Tech APAC Malaysia on 16 June 2023.
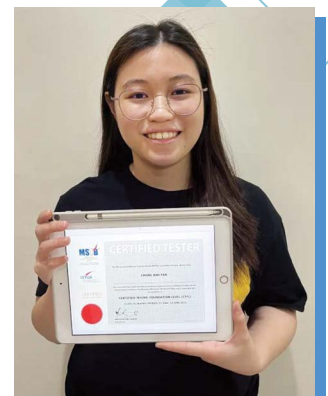
Software Engineering alumni, Venessa Ngu Qian Hui and Chong Kah Yan has successfully passed the International Software Testing Qualifications Board (ISTQB) Certified Tester Foundation Level (CTFL) examination and has been recognized as an ISTQB Certified Software Tester – Foundation Level.

WORKSHOPS

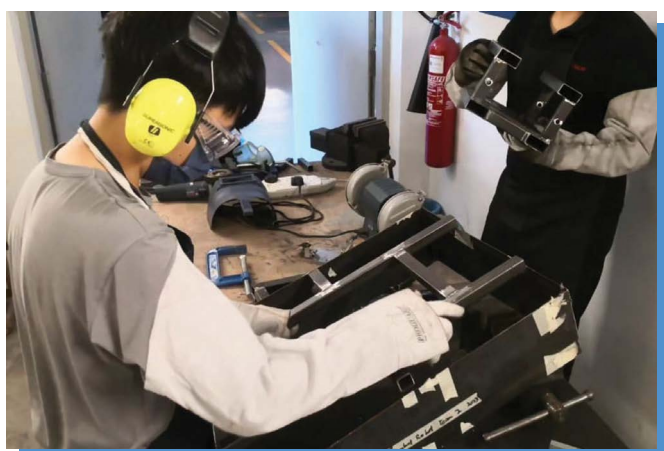26 June 2023 - The Institution of Engineers Malaysia (IEM) Recruitment Drive

5 July 2023 - IT Recruitment Drive with participating companies such as Silverlake, Huawei, DKSH, RHB, UOB, VLAN Asia and HILTI.

19 October 2023 - Hacking 101: Introduction to Hacking

2 November 2022 - Industry panel and networking event for knowledge-sharing with industry leaders, data science professionals, students and alumni.

Sunway Robotics Club

Sunway Analytics Society

TALKS

22 March 2023 - Lancaster Alumni and Invited Industry Speakers Series. Speakers are from United Kingdom.

12 May 2023 - Research Sharing on Application of Machine Learning in Agriculture: Recent Project in Waikato by Dr. Kuang Ye Chow (University of Waikato).

6 June 2023 - Big Data Algorithms Talk by Mr Jan-Willem Middelburg (CEO of Cybiant).

COMPANY VISITS

Company visit to SAS.

Company visit to Air Asia.

Company visit to Daikin Malaysia.

BRINGING YOU FURTHER

INTERNSHIP AND EMPLOYMENT OPPORTUNITIES

Accounting
- Deloitte SEA Services Sdn Bhd
- Ernst & Young (EY)
- KPMG
- Pricewaterhouse Coopers

Aerospace
- GE Aerospace
- Honeywell
- Lockheed Martin

AgriTech
- IOI Corporation Bhd

Automotive
- BMW
- Mercedes-Benz (M) Sdn Bhd
- Perodua
- Proton
- Sime Darby

Banking
- CIMB Bank Bhd
- Hong Leong Bank Bhd
- Malayan Banking Berhad
- OCBC Bank
- Public Bank Berhad
- RHB Bank
- UOB Bank

Building Material
- Tasek Corporation Bhd
- YTL

Business service
- Experian
- FUJIFILM Business Innovation
- GrowthOps
- Ikano Insight
- INFOPRO
- NielsenIQ
- Konica Minolta Business Solutions
- Priority Dynamics Sdn Bhd
- Roche Services (APAC) Sdn Bhd

Computer Software
- Acestar Sdn Bhd
- Apptivity Lab Sdn Bhd
- AS Networks (M) Sdn Bhd
- Ascentrio Sdn Bhd
- BASS Sdn Bhd
- Commerce.Asia
- Cornet Research
- Dassault Systèmes
- Fusionex Corp Sdn Bhd
- Juris Technologies Sdn Bhd
- Netiquette Software (M) Sdn Bhd
- PeopleQuest
- Philip Solutions PLT
- PulseSync Sdn Bhd
- SAS Institute Sdn Bhd
- Service Rocket

Computer Hardware
- Dell
- Hewlett-Packard
- Western Digital

Construction
- Gamuda
- IJM Corporation
- Sunway Construction

Consumer Goods & Services
- Carlsberg
- Dutch Lady Milk Industries
- Estee Lauder
- F&N
- FOS Apparel Group Sdn Bhd
- Heineken
- Nestle
- Sherwin Williams Services (M) Sdn Bhd

Cybersecurity
- Condition Zebra (M) Sdn Bhd
- LGMS Malaysia
- Sysarmy Sdn Bhd
- Vigilant Asia (M) Sdn Bhd

E-commerce Service
- iPay 88 Sdn Bhd
- Shopee

Electronics
- Dyson Manufacturing Sdn Bhd
- Flextronics Group
- Globetronics
- Panasonic Group
- Samsung Group
- Sony

Energy Solutions
- Baker Hughes
- First Solar Malaysia Sdn Bhd
- General Electrics (GE)
- Ranhill Worley
- Schneider Electric
- Technip

Food & Beverage
- MyBurgerlab
- Sushi Kin Sdn Bhd

Information Technology
- Accenture
- Delaware Consulting (M) Sdn Bhd
- Hilti Asia IT Services (HAITS)
- IBM Malaysia
- Mesiniaga Berhad
- Metacloud Sdn Bhd
- Quandatics Sdn Bhd
- Sunway Group IT Shared Services Sdn Bhd

Manufacturing
- Continental Tyres
- Daikin
- Hartalega
- Top Glove

Marketing & Advertising
- Bean Search Expert Sdn Bhd
- C27
- IPG Media Brands Malaysia
- Moving Walls Sdn Bhd
- SearchGuru Sdn Bhd

Media and Broadcast Solutions
- Grass Valley (M) Sdn Bhd
- Media Prima Berhad

Media/Entertainment
- Cinema Online Sdn Bhd

Oil & Gas
- Exxon
- Petronas
- Shell

Oilfield Services & Equipment
- Schlumberger

Oleochemicals
- Kuala Lumpur Kepong Berhad
- FPG Oleochemicals

Publishing
- Penerbitan Pelangi Sdn Bhd

Research
- Institute for Democracy and Economic Affairs (IDEAS)
- MIMOS Berhad

Semiconductors
- Intel Group
- Infineon Technologies
- OSRAM Opto
- Semiconductors Malaysia Sdn Bhd
- Carsem (M) Sdn Bhd
- Unisem (M) Bhd
- SilTerra Malaysia Sdn Bhd

Telecommunication
- Digi Telecommunications
- Huawei Technologies (M) Sdn Bhd
- Maxis Bhd
- Motorola
- Telekom Malaysia
- TIME dotcom Bhd
- Webe Digital

Theme Park
- Sunway Lagoon

Transportation/Logistics
- Commerceone Solution Sdn Bhd
- DHL Information Services
- DKSH
- Grab

Transportation Solution
- Alstom
- Mott-Macdonald

Travel Agency
- Sunway Travel Sdn Bhd

Utilities
- TNB
- YTL Power
- Powertek
- Genting Sanyen Power

Web Development
- Ebryx Tech
- Excelfixer

#1 IN MALAYSIA FOR GRADUATE EMPLOYABILITY
By Talentbank GE Index 2023

Sunway University awarded #1 in Graduate Employability 2022 & 2023

EXTERNAL ADVISORY COMMITTEE

External Advisory Committee (EAC) acts as an advisory committee for the Programmes Committee. It comprises of leaders in academia and industry as well as student alumni who support and are able to provide counsel and guidance for programme development in order for the programme to achieve its goals.

DEPARTMENT OF COMPUTING & INFORMATION SYSTEMS

Ms Emily Chang Ming Li
BSc (Hons) Computer Science alumna
Company:
Gitlab Inc
Position:
Support Engineer

Dr David Chieng Heng Tze
Institution:
University of Nottingham Ningbo China
Position:
Associate Professor

Mr Daniel Ng
Company:
Neo4j
Position:
Senior Director APAC

Mr Eddy Lee
Company:
The Estee Lauder
Position:
Director, Architecture

Mr Fong Choong Fook
Company:
LGMS Berhad
Position:
Chairman

Herman Bin Md Tahir
Company:
Appfuxion Consulting Sdn Bhd
Position:
Senior Test Manager

Mr Julius Uy
Company:
SMRT Corporation Ltd, Singapore
Position:
Head of Technology

Mr Kevin Khoo Min Sinn
Company:
Sunway Group
Position:
Chief Information Officer

Mr Khor Swee Kweng
Institution:
SAS Institute, Malaysia
Position:
Principal Adviser, Education & Academic Program

Dr Leslie Tiong Ching Ow
MSc in Computer Science (by Research) alumnus
Institution:
Samsung Electronics
Position:
Senior Engineer

Dr Lim Kai Li
MSc in Computer Science (by Research) alumnus
Institution:
The University of Queensland
Position:
Research Fellow

Dr Tan Ee Xion
Institution:
International Medical University (IMU)
Position:
Senior Lecturer

Dr William Yeoh
Institution:
Deakin University, Australia
Position:
Associate Professor

DEPARTMENT OF ENGINEERING

Ir Dr Calvin Chok Vui Soon

Company:
KL-Kepong Oleomas

Position:
Technology Manager

Ir Chang Yew Cheong

Company:
Abbaco Controls Sdn Bhd

Position:
Director

Ir Chen Thiam Leong

Company:
Primetech Engineers Sdn Bhd

Position:
Advisor

Dr Chin Wai Meng

Company:
Daikin Research & Development Malaysia Sdn Bhd

Position:
Deputy General Manager, Development Support Division

Mr Chin Wei Rick

Company:
Smith & Nephew

Position:
Project Manager

Ir Chong Chew Fan

Company:
Greatians Consulting Sdn Bhd

Position:
Director

Mr Chong Kee Yum

Company:
Bursa Malaysia

Position:
Manager, PMO

Mr Henry Lee Siew Hang

Company:
Nrol Sdn Bhd

Position:
Director of Corporate Sustainability

Ir Dr Ng Kok Chiang

Company:
ACO Group Berhad

Position:
Member Board of Directors

Ir Rafil Elyas

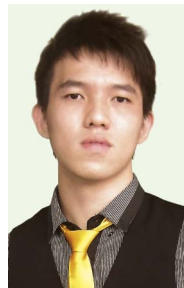**Company:**
East One-Zero-One Sdn Bhd

Position:
CEO

Ir Rozali Ahmad

Company:
RNZ Integrated (M) Sdn Bhd (RNZ) and DAR Energy Sdn Bhd (DAR)

Position:
CEO

Mr Tan Lim Wee Kwan

Company:
Top Glove Berhad

Position:
Senior Project Manager

Mr Tan Yeong Shun

Company:
Texas Instruments

Position:
Automation & Analytics Manager

WHERE ARE OUR GRADUATES NOW?

Aida Natasha Binti Khalil Ong
BSc (Hons) Information Systems (Business Analytics)
Now known as Bachelor of Information Systems (Honours) (Data Analytics)

Company : Maybank Investment Bank

Position : Executive, Project Management

Fennie Lee Jia Xian
BSc (Hons) in Computer Science

Company : Hilti Asia IT Services (HAITS)

Position : UX Cohort Lead

Chaang Yunhua
BSc (Hons) in Computer Science

Company : Tencent Cloud International

Position : Senior Partner Business Development Manager

Joanavene Tan Qie Ven
BSc (Hons) Information Technology (Computer Networking and Security)

Company : SeaMoney (Singapore)

Position : Digital Banking IT Risk and Compliance Associate

Cheah Yung Jien
BSc (Hons) Information Technology (Computer Networking and Security)

Company : Tridentech Solutions Sdn Bhd

Position : Chief Technical Officer

Lee Shu Yi
Bachelor of Software Engineering (Hons)

Company : Alibaba Group

Position : Product Manager

Chee Chem Zing
Bachelor of Science (Honours) in Information Technology

Company : Digital Route Sdn Bhd

Position : Senior Software Engineer

Lee Yi Fei
BSc (Hons) Information Systems (Business Analytics)
Now known as Bachelor of Information Systems (Honours) (Data Analytics)

Company : BASF Asia Pacific Service Centre Sdn Bhd

Position : Senior Analyst, Reporting & Business Intelligence, Controlling

Chen Kah Weng
BSc (Hons) in Computer Science

Company : Accenture Singapore

Position : Technology Consultant

Marcus Lu Xian-Zheng
BSc (Hons) in Computer Science

Company : Cognitive Consulting Sdn Bhd

Position : Robotics Process Automation Technical Manager

Choong Moon Zhe
Bachelor of Science (Honours) in Information Technology

Company : KPMG Malaysia

Position : Software Developer

Ngoh Chin Joe
BSc (Hons) in Computer Science

Company : Decision Science Agency Pte Ltd

Position : Full Stack Developer

Natalie Choo Yin Yii
Bachelor of Software Engineering (Hons)

Company: Grab Malaysia

Position : Software Engineer-backend

Tan Tze Hong
Bachelor of Software Engineering (Hons)

Company: Maybank Berhad

Position : Technical Analyst

Neveen Hossam Mohamed Elafifi
BSc (Hons) Information Systems (Business Analytics)
Now known as Bachelor of Information Systems (Honours) (Data Analytics)

Company: PwC (Middle East)

Position : Senior Associate, Risk Assurance

Tsai Yao Cherng
BSc (Hons) in Computer Science

Company: Deloitte

Position : SEA IT Manager (SEA Services)

Nicholas Chan Khin Whai
BSc (Hons) Information Systems (Business Analytics)
Now known as Bachelor of Information Systems (Honours) (Data Analytics)

Company: Standard Chartered Bank Malaysia

Position : Analyst, Risk and Control

Tunku Intan Sophia Binti Tunku Noorzaman
BSc (Hons) in Computer Science

Company: Access World

Position : IT Developer

Nyow Ning Xin
BSc (Hons) Information Technology (Computer Networking and Security)

Company: Avepoint Singapore

Position : Information Technology Business Analyst

Vinudha A/P Jeya Sangar
BSc (Hons) Information Systems (Business Analytics)
Now known as Bachelor of Information Systems (Honours) (Data Analytics)

Company: Maybank Shared Services Group

Position : Senior Executive, Business Data Analysis

Prashanth George A/L Mathew
Bachelor of Science (Honours) in Information Technology

Company: Ricoh (Malaysia) Sdn Bhd

Position : Regional Technical Account Support Specialist

Yap Zhi Kai
Bachelor of Science (Honours) in Information Technology

Company: Fusionex Group

Position : Senior Project Manager

Tan Jia Wen
Bachelor of Science (Honours) in Information Technology

Company: Pulsifi

Position : Backend Developer

Yeap Khor Chin
Bachelor of Software Engineering (Hons)

Company: Woow Moment Limited

Position : System Analyst

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SUNWAY UNIVERSITY

A CLASS ABOVE

MALAYSIA'S

#1 *Again*

IN GRADUATE EMPLOYABILITY

2022 & 2023

Sunway University is honoured to be recognised as Malaysia's No. 1 in Graduate Employability* for the 2nd consecutive year and would like to thank all the local & international brands who selected graduates from Sunway University as the nation's best for 2022 and once again in 2023.

We are immensely proud of our graduates who have gone on to excel in their chosen fields and made such a huge positive impact to the performances of Malaysia's and some of the world's biggest companies.

Sunway University Graduates, Truly A CLASS ABOVE.

*Talentbank GE Index 2023

SUSTAINABLE DEVELOPMENT GOALS

4 QUALITY EDUCATION

sunwayuniversity.edu.my

RM **670** million
awarded in Scholarships & growing
jeffreycheah.foundation

Jeffrey Cheah Foundation
Nurturing the Seeds of Wisdom

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