Complete your Engineering degree in 4 years at Taylor’s

Delivered using project-based approach, equipping students with skills to handle real life projects.
Training You To Be In Demand!

Complete Your Engineering Degree In Malaysia
with Taylor’s University College’s latest Bachelor of Engineering (Honours) programme. With a programme that is approved by MQA (Malaysian Qualification Agency) EAC (Engineering Accreditation Council) and BEM (Board of Engineers Malaysia), students will receive the very best in learning approaches, equipping them with the necessary skills to compete globally.
### Bachelor of Engineering (Honours) in Chemical Engineering

**YEAR 1**
- Engineering Mathematics 1
- Engineering Mathematics 2
- Thermodynamics and Heat Transfer
- Engineering Statics
- Engineering Dynamics
- Engineering Fluid Mechanics
- Chemical Engineering Design and Communication
- Computing Applications for Chemical Engineers
- Bahasa Kebangsaan A
- Bahasa Kebangsaan B
- Pengajian Malaysia

**YEAR 2**
- Engineering Mathematics 3
- Engineering Mathematics 4
- Chemistry for Engineers
- Project Management and Professional Skills
- Data Measurement, Analysis and Experimental Design
- Mass Transfer
- Properties and Applications of Materials
- Biochemical Processes
- Reactors and Catalysis
- Process Integration and Unit Operations I

**YEAR 3**
- Chemical Process Modelling
- Chemical Process Control
- Chemical Engineering Group Project 1
- Introduction to Electronics and Electrical Power & Machines
- Advanced Heat and Momentum Transfer
- Engineering Economics
- Process Integration and Unit Operations 2
- Chemical Engineering Group Project
- Pengajian Islam / Pendidikan Moral
- Pollution Control

**Industrial Training**

**YEAR 4**
- Final Year Engineering Project 1
- Final Year Engineering Project 2
- Safety in Process Plant Design
- Business Skills for Engineers
- (Any two of the following electives)
  - Molecular Biotechnology
  - Total Quality Management
  - Globalisation, Innovation & Creativity
  - Advanced Reaction Systems
  - Fundamentals of Petroleum Engineering
  - Gas Engineering
  - Gas Processing and Liquefaction
  - Renewable & Alternative Energies

### Bachelor of Engineering (Honours) in Electrical & Electronic Engineering

**YEAR 1**
- Engineering Mathematics 1
- Engineering Mathematics 2
- Engineering Design & Communication
- Computing Applications for Engineers
- Circuits and Signals
- Electronic Devices
- Digital Electronics
- Machines and Drives
- Bahasa Kebangsaan A
- Bahasa Kebangsaan B
- Pengajian Malaysia

**YEAR 2**
- Engineering Mathematics 3
- Engineering Mathematics 4
- Multidisciplinary Engineering Design
- Project Management and Professional Skills
- Signals and Systems
- Electromagnetic Fields and Waves
- Microprocessor Systems
- Control Systems
- Pengajian Islam / Pendidikan Moral
- Analogue Electronics

**YEAR 3**
- Mechanical and Manufacturing Engineering
- Business Skills for Engineers
- Instrumentation and Measurement Systems
- Electrical Engineering Group Project 1
- Electrical Engineering Group Project 2
- Electrical Power Systems
- Pulse and Digital Circuits
- Power Electronics
- Digital Signal Processing
- Communication Systems

**Industrial Training**

**YEAR 4**
- Final Year Engineering Project 1
- Final Year Engineering Project 2
- Industrial Drives
- Microwave Engineering
- (Any two of the following electives)
  - Globalisation, Innovation & Creativity
  - Total Quality Management
  - VLSI Design
  - High Voltage Engineering
  - Computer Architecture
  - Electrical Energy Utilisation
  - Multimedia Technology and Applications
  - Robotics and Automation

### Bachelor of Engineering (Honours) in Mechanical Engineering

**YEAR 1**
- Engineering Mathematics 1
- Engineering Mathematics 2
- Thermodynamics and Heat Transfer
- Engineering Statics
- Engineering Dynamics
- Engineering Fluid Mechanics
- Computing Applications for Engineers
- Engineering Design & Communication
- Bahasa Kebangsaan A
- Bahasa Kebangsaan B
- Pengajian Malaysia

**YEAR 2**
- Engineering Mathematics 3
- Engineering Mathematics 4
- Properties and Applications of Materials
- Project Management and Professional Skills
- Computer Aided Engineering & Geometric Modelling
- Data Measurement, Analysis and Experimental Design
- Multidisciplinary Engineering Design
- Engineering Innovation, Design & Ergonomics
- Pengajian Islam / Pendidikan Moral
- Manufacturing Engineering

**YEAR 3**
- Introduction to Electronics and Electrical Power & Machines
- Numerical Analysis for Engineers with Applications using ANSYS
- Automatic Control and Instrumentation
- Business Skills for Engineers
- Mechanical Engineering Group Project 1
- Mechanical Engineering Group Project 2
- Engineering Solids Mechanics
- Mechanical Vibrations
- Theory of Machines and Mechanisms
- Internal Combustion Engines and Emission

**Industrial Training**

**YEAR 4**
- Final Year Engineering Project 1
- Final Year Engineering Project 2
- Design of Engineering Components and Systems
- Electronics & Microprocessors
- (Any two of the following electives)
  - Globalisation, Innovation & Creativity
  - Engineering and Biomimetics
  - Air Conditioning and Refrigeration Engineering
  - Total Quality Management
  - Computational Fluid Dynamics (CFD) with Applications using FLUENT
  - Robotics and Automation
  - Flow Visualisation
  - Renewable & Alternative Energies
Engineers are the leaders of tomorrow

By solving real life problems using the principles of science and mathematics, they improve the quality of life of communities around the world. An engineer must be innovative, knowledgeable and experienced while keeping an open mind and preserving a solid ethical foundation.

With a 4-year Engineering degree programme at Taylor’s, students will gain skills that are inculcated through Project-Based Learning, exposure to research, understanding of engineering design and active industry involvement. Both theoretical and practical aspects of engineering will be emphasised in a conducive learning environment.

The strength, expertise and diversity of Taylor’s engineering lecturers are well-known. Over 75% of the faculty members are PhD holders and a majority of them are actively engaged in research in collaboration with international organisations. To complement all that, students will apply their knowledge, practise their skills and test the theories in well-equipped engineering facilities.

When you have the edge, it’s easier to shine.
PROGRESSION PATHWAY

4-YEAR ENGINEERING DISCIPLINES
to be completed at Taylor's University College, Malaysia

Bachelor of Engineering (Honours) in Chemical Engineering
KP/PS (KA 8647) 5/13

Bachelor of Engineering (Honours) in Electrical & Electronic Engineering
KP/PS (KA 8645) 5/13

Bachelor of Engineering (Honours) in Mechanical Engineering
KP/PS (KA 8646) 5/13

SPM / O Levels or equivalent

Pre-University
CAL, SAM, ICPU, Fis, STPM, UEC or equivalent

4 years of Engineering Programme at Taylor’s University College

Optional transfer routes:

2+2 University of Birmingham
University of Warwick
Australian National University
University of Western Australia

1+3 University of Sheffield

Bachelor of Engineering (Honours)

Entry Requirements Subject prerequisite applies

B. Eng (Hons) A Levels SAM / ICPU / Fis UEC STPM IB

CCD

66%

24 points (6 subjects)

28* points (6 subjects)

SAM: South Australian Matriculation
ICPU: International Canadian Pre-U
STPM: Sijil Tinggi Persekolahan Malaysia
UEC: Unified Examination Certificate
Fis: Foundation in Science

* 5 points or better in HIL Mathematics and HIL/SL Physics, 3 points or better in HIL Chemistry for Chemical Engineering

INTAKES JANUARY & SEPTEMBER
Scholarship / Bursary

- Inaugural Bursary 2009 (20% for 1st year only)
- Developing Towns Study Grant
- Taylor’s Education Group Students Bursary
- Klang Chinese Independent Schools Bursary
- Secondary School Teacher Bursary
- STPM High Achievers Scholarship
- Chinese Independent Schools Scholarship
- Tertiary Merit Scholarship
- Sibling Discount
- Continuing Student Discount
- PTPTN Loan

Kindly visit www.taylors.edu.my for more information on the available scholarships.
Lew May-Ann,
President of SETS (Society of Engineering Technology)
Year 2 - Mechanical Engineering

“I chose to study at Taylor’s because I knew I could trust its quality of teaching and the track record of the university college, I am enjoying my course and look forward to coming to lectures everyday. Being an undergraduate at Taylor’s has been challenging as I have to manage my time well, but I hope to excel in my course and continue on to my PhD.”

Syed Ameer M. Hamid (Pakistan)
Year 1 - Mechanical Engineering

A friend in Malaysia recommended Taylor’s because it was well-known for its quality. Taylor’s engineering degree adds on a new facet to our learning because we are given the opportunity to have a hands-on approach, think out of the box and apply what we learn. As a result, we were able to explore more engineering concepts.

Charles Grant Wijaya (Indonesia)
Year 2 - Chemical Engineering

“I have always wanted to study engineering in the UK. The University of Birmingham is No. 2 in the UK for Chemical Engineering, so Taylor’s was an obvious choice. Working on projects every semester is one of the more challenging aspects of our programme, but I like it because it is interesting and I learn a lot in the process of turning my ideas into a reality. I aim to be an entrepreneur and start up my own production factory after my degree, so some of the subjects I am learning right now are practical for future application.”