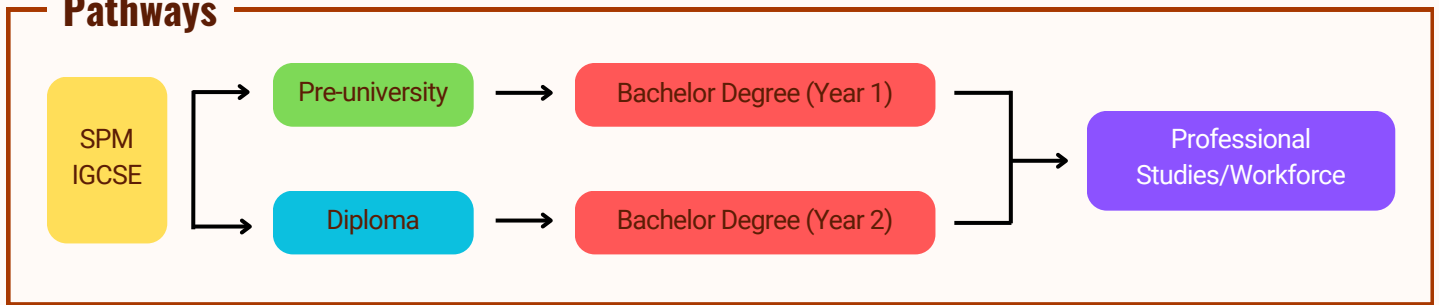


STUDY ENGINEERING

Pathways



General Entry Requirements

- **A-Level:** Minimum EEE/equivalent of 120 points including Mathematics and Physics/Chemistry
- **Ausmat/SACEi:** Minimum ATAR 65 including Mathematics and Physics/Chemistry
- **Foundation:** Pass with CGPA of 3.00 in Biology, Chemistry and Physics or Mathematics
- **STPM:** Minimum 2Cs with minimum CGPA of 2.00 including Mathematics and Physics/Chemistry
- **UEC:** Pass with 5Bs including Mathematics and Physics/Chemistry
- **Diploma in Engineering:** Minimum CGPA of 2.00

Pre-requisite subjects (SPM/UEC/IGCSE): Grade C in Mathematics, AddMath, Physics and Chemistry*

**for Chemical Engineering programme*

Skills & Attributes

- Analytical skills
- Numerical skills
- Technology knowledge
- Time management
- Problem solving ability
- Project management skills

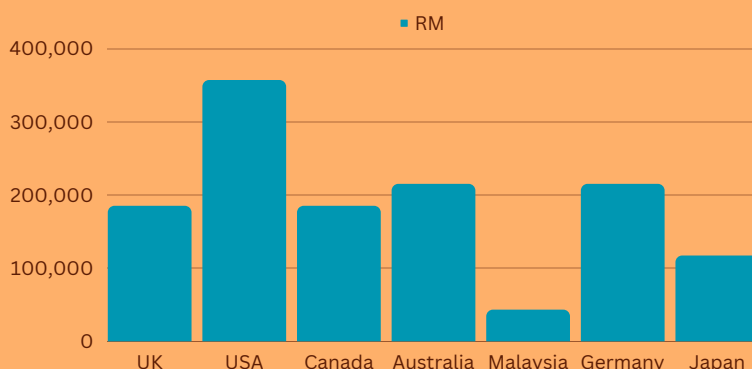
Study Engineering in Malaysia

- University of Nottingham
- University of Southampton Malaysia
- Heriot-Watt University
- Monash University
- Curtin University
- UOW Malaysia KDU

Study Engineering Overseas

- Imperial College (UK)
- University of Manchester (UK)
- University of Nottingham (UK)
- University of Southampton (UK)
- University of New South Wales (Aus)
- University of Technology Sydney (Aus)
- University of Sydney (Aus)
- University of Auckland (NZ)
- University of Canterbury (NZ)
- Victoria University of Wellington (NZ)

Median Salaries of Mechanical Engineer Per Year



Career Prospects

- Marine Engineer
- Mechanical Engineer
- Computer Engineer
- Chemical Engineer
- Biomedical Engineer
- Petroleum Engineer
- Civil Engineer
- Electrical Engineer
- Nuclear Engineer
- Aeronautical Engineer

Study Options in Malaysia

University of Nottingham

Foundation in Engineering RM30,000

- 5 Bs including additional mathematics, mathematics and physics, excluding moral studies and religious studies.

MEng (Hons) - 4 years

Approximately RM200,000

- Civil Engineering
- Chemical Engineering
- Chemical Engineering with Environmental Engineering
- Electrical and Electronic Engineering
- Mechatronic Engineering
- Mechanical Engineering

Heriot Watt University

Foundation in Science RM27,132

- Minimum 5Cs in SPM or O-Levels, including Math, English, Physics, Chemistry and Additional Mathematics

BEng (Hons) - 3 years

MEng - 4 years

Approximately RM180,000



- Civil Engineering
- Chemical Engineering
- Chemical Engineering with Environmental Engineering
- Electrical and Electronic Engineering
- Mechanical Engineering

University of Southampton

Foundation Year Engineering RM29,100

- 5 A grades in the science stream, including Mathematics and Physics

MEng (2 years Malaysia + 2 years UK)

RM104,000 for Year 1 & 2 in Malaysia

RM 214,000 for Year 3 & 4 in the UK

- Mechanical Engineering
 - Accredited by the Institution of Mechanical Engineers (IMechE), Engineering Council UK, and European Accreditation of Engineering Programme
- Electrical and Electronic Engineering
 - Institution of Engineering and Technology (IET)



- Aeronautics and Astronautics



Monash University

4 years

Approximately RM200,000



- Bachelor of Civil Engineering (Hons)
- Bachelor of Chemical Engineering (Hons)
- Bachelor of Electrical and Computer Systems Engineering (Hons)
- Bachelor of Mechanical Engineering (Hons)
- Bachelor of Mechatronics Engineering (Hons)
- Bachelor of Software Engineering

Curtin University

Foundation Studies – Engineering and Science Stream
RM17,100

Bachelor of Engineering - 4 years

Approximately RM120,000

- Chemical Engineering
- Civil and Construction Engineering
- Electrical and Electronic Engineering
- Environmental Engineering
- Mechanical Engineering
- Petroleum Engineering



UOW Malaysia KDU

Foundation in Science RM21,360

- 5Cs including Maths and 2 Sciences

Diploma in Electrical and Electronics Engineering

Diploma in Mechanical Engineering

Bachelor of Engineering with Honours

4 years

- Mechatronics Engineering with Honours
- Mechanical Engineering with Honours
- Electrical and Electronics Engineering with Honours

Study Options in Malaysia

SEGI University

Foundation in Science RM21,360

- 5Cs including Maths and 2 Sciences

Diploma in Electrical and Electronics Engineering
Diploma in Mechanical Engineering

Bachelor of Engineering with Honours - 4 years
RM98,000

- Chemical Engineering
- Civil
- Electrical and Electronic Engineering
- Mechanical Engineering



Double degree with [University of Central Lancashire, UK](#)

UCSI University

Foundation in Science (Engineering) RM22,000

Diploma in Electrical and Electronic Engineering RM47,000
Diploma of Engineering Technology (Industrial Design) RM48,000
2 years 4 months

Bachelor of Engineering with Honours
4 years

- Chemical Engineering RM92,000
- Civil Engineering RM86,000
- Computer Engineering (Artificial Intelligence) RM104,000
- Electrical & Electronics RM90,000
- Electronics Engineering (Communication) RM90,000
- Energy Engineering RM95,000
- Environmental Engineering RM94,000
- Mechanical Engineering RM89,000
- Mechatronics Engineering RM89,000
- Petroleum Engineering RM95,000

Taylor's University

Foundation in Engineering RM30,000

- 5 Cs including mathematics and a science subject

Bachelor of Engineering with Honours - 4 years
Approximately RM152,000

- Chemical Engineering
- Electrical and Electronic Engineering
- Mechanical Engineering
- Robotic Design and Development

Transfer options to Australia:

- University of Queensland
- University of Adelaide
- Deakin University
- University of South Australia
- University of New South Wales
- Edith Cowan University
- University Technology Sydney
- University of Newcastle

Transfer options to the UK:

- University of Birmingham
- University of Essex
- University of Sheffield
- University of Leeds
- University of Dundee

INTI University

Foundation in Science RM20,000

- 5 credits including Mathematics and Physics

Diploma in Engineering
2.5 years

- Civil Engineering RM44,000
- Electrical and Electronic Engineering RM38,000
- Mechanical Engineering RM38,000

Bachelor of Engineering with Honours
4 years

- Civil Engineering RM84,000
- Mechanical Engineering RM84,000

Bachelor of Engineering with Honours (3+0) with Coventry
University, UK
3 years

- Electrical and Electronic Engineering RM77,000
- Mechanical Engineering RM79,000

Asia Pacific University

Foundation Programme (RM26,900)

- 5 credits including Math & a Science subject

Bachelor of Engineering with Honours
4 years
RM108,000

- Electrical and Electronic Engineering
- Mechatronic Engineering
- Computer Engineering
- Petroleum Engineering



APU-DMU Dual Degree Scheme with [De Monfort University, UK](#)
DMU Degree Certificate will be an MEng Award for Engineering Programmes.