



# Faculty of Engineering Undergraduate Programmes

[engine.um.edu.my](http://engine.um.edu.my)

**Welcome to the Faculty of Engineering. You have certainly made the right choice to study your undergraduate engineering degree here at University of Malaya. We have an exceptional track record in terms of our engineering curriculum, research, experienced team of staff and most of all, our QS World rankings speaks volume for itself.**

## Our Rankings



## Reasons to Study Engineering@UM

- Study at one of the world's best Faculty (ranked 35 in the recent QS World University Rankings 2017)
- ALL our programmes are ranked number ONE in Malaysia
- Our degree programmes are accredited by Board of Engineers Malaysia and Washington Accord
- We have industry partners (Daikin, Motorola Solutions, Rohde and Schwarz, Proton and Ossur) with research laboratories at the Faculty for a more engaging student experience
- Opportunity to participate in solving complex engineering problems through our industry consultancy projects
- Student friendly facilities with newly renovated cubes/lecture theatres/canteens/etc.
- All our programmes are industry centric and aimed to produce holistic graduates
- Dedicated & experienced professors and staff
- Most of our academic staff are Professional Engineers and/or Chartered Engineers
- Strategic location (in the heart of the city) with easy access through UM rides and public transport
- Our graduates are highly sought after upon graduation by industries and academia
- Opportunity to be part of the world class research programmes in the Faculty
- Opportunity to participate in student exchange and mobility programmes with our international network and partner universities

The programmes we offer :

- Bachelor of Civil Engineering
- Bachelor of Electrical Engineering
- Bachelor of Chemical Engineering
- Bachelor of Biomedical Engineering
- Bachelor of Mechanical Engineering

Duration:

**4 years**

## Entry Requirements for Undergraduate Admission

### Malaysian Applications

#### STPM

Pass STPM with at least **CGPA 3.30** and **Grade A- (CGPA 3.67)** in Mathematics T;

and

Obtained at least **Grade B+ (CGPA 3.33)** in Physics at the STPM level

or

Obtained at least **Grade A- (CGPA 3.67)** at the STPM Level in the following subjects:

- Biology; and
- Chemistry

and

Obtained at least **Grade B** in Physics at the SPM Level

and

Obtained at least **Band 3** in MUET

and

Candidates who apply for Bachelor of Electrical Engineering and Bachelor of Chemical Engineering must not be colour blind.

#### MATRICULATION/ FOUNDATION

Pass Matriculation/Foundation with at least **CGPA 3.30** and **Grade A- (CGPA 3.67)** in Mathematics;

and

Obtained at least **Grade B+ (3.33)** at the Matriculation/Foundation Level in the following subjects:

- Physics/Engineering Physics

or

Obtained at least **Grade A- (3.67)** at the Matriculation/Foundation Level in the following subjects:

- Biology; and
- Chemistry

and

Obtained at least **Grade B** in Physics at the SPM Level

and

Obtained at least **Band 3** in MUET

and

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#### DIPLOMA/EQUIVALENT

Obtained Diploma from Local Universities with at least **CGPA 3.30** in engineering field related to the programme study applied;

and

Obtained at least **Grade B** at the SPM Level in the following subjects:

- Mathematics; and
- Physics

or

Pass STPM not in current year with at least **CGPA 3.30** and **Grade A- (CGPA 3.67)** in **Mathematics (T)**;

and

Obtained at least **Grade B+ (CGPA 3.33)** at the STPM level in **Physics**;

or

Obtained at least **Grade A- (CGPA 3.67)** at the STPM Level in following subjects:

- Biology; and
- Chemistry

and

Obtained at least **Grade B** in Physics at the SPM Level,

or

Pass Matriculation/Foundation not in current year with at least **CGPA 3.30** and **Grade A- (CGPA 3.67)** in **Mathematics**;

and

Obtained at least **Grade B+ (3.33)** at the Matriculation/Foundation Level in following subjects:

- Physics/ Engineering Physics

or

Obtained at least **Grade A- (3.67)** at the Matriculation/Foundation Level in following subjects:

- Biology; and
- Chemistry

and

Obtained at least **Grade B** in Physics at the SPM Level

and

Obtained at least **Band 3** in MUET

and

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#### OTHER REQUIREMENTS

Have qualifications in GCE A-Level with at least **Grade B** in the following subjects:

- Mathematics; and
- Physics;

and

Obtained at least **Grade B** at the A-Level in one (1) of the following subjects:

- Further Mathematics;
- Biology;
- Chemistry

or

Have qualifications in **Australian Matriculation Programme (AUSMAT)** with at least Australian Tertiary Admission Rank (ATAR) of **85 percent** with the two (2) following subject;

- Mathematics; and
- Physics

and

one (1) of the following subjects:

- Chemistry
- Biology
- Mathematics Specialist

or

Have qualifications in International Baccalaureate Diploma (IB) with at least **30 Point Score** and obtained **Grade 6 (Higher Level)** in the following subjects;

- Mathematics; and
- Physics

and

Obtained at least **Grade 5 (Higher Level)** in International Baccalaureate (IB) Diploma in one (1) of the following subject:

- Further Mathematics;
- Chemistry;
- Biology;

and

Obtained at least **Band 3** in MUET

or

Obtained at least **Band 5.5** in IELTS

or

Obtained score at least 477 (PBT)/ 153 (CBT)/ 53 (IBT) in TOEFL.

and

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### Faculty of Engineering University of Malaya

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**UNIVERSITY  
OF MALAYA**

Let us bring out the best in you, here at [engineering@um](mailto:engineering@um)