

BACHELOR OF ENGINEERING (HONS) 3+0 IN COLLABORATION WITH UNIVERSITY OF BOLTON, UK

PROGRAMME DETAILS:

Programme Code: N/521/6/0120 (PA7577) 09/20

Duration: 3 Years

Main Intakes: January, May and September

Awarding Body: University of Bolton, UK

CAREER PROSPECTS:

Mechanical Engineer, Quality Engineer, Design Engineer, R&D Engineer, Production Engineer, Industrial Engineer or Academician

PROGRAMME OVERVIEW

The BEng (Hons) Mechanical Engineering programme equips students with the skills and knowledge for a career in the mechanical engineering profession – a profession that is essential in so many areas of the modern world, including design and manufacture, construction, energy, environment, and automobile.

Throughout the programme, students will develop managerial, organisational and employability skills alongside subject-specific knowledge and understanding. Studies will focus on particular areas of engineering such as mechanical design, systems engineering, analysis of materials and structures, and the theory and application of finite element analysis.

Graduates from this programme are not eligible to register for professional membership with the Board of Engineers Malaysia (BEM).

ENTRY REQUIREMENTS

1. STPM / A-Level or its equivalent:
Pass STPM or its equivalent with minimum Grade C (GP 2.00) in Mathematics and 1 relevant Science subject; OR
2. UEC:
Pass UEC with minimum Grade B in 5 subjects including Mathematics and 1 relevant Science; OR
3. Matriculation/ Foundation or its equivalent:
Pass Matriculation / Foundation with minimum CGPA of 2.00; OR
4. Diploma in Engineering / Engineering Technology or its equivalent:
Diploma in Engineering / Engineering Technology with minimum CGPA of 2.00; OR
5. Diploma in Vocational and Technical / Skills in the related field:
Diploma in Vocational and Technical / Skills in the related field with minimum CGPA of 2.00; OR
6. Other equivalent qualifications recognized by Malaysian Government.

AND

Students must pass:

- a) IELTS with a minimum band of 6.0; OR
- b) TOEFL with a minimum score of 550; OR



c) Cambridge English/ Edexcel 'A' Level with a minimum grade C;OR

d) Pearson Test of English (PTE) (56-60 overall with minimum of 51 and above in each component).

Programme Structure

Year 1	Year 2	Year 3
<ul style="list-style-type: none">• Projects and Systems• Graphical Communication and Computer Modelling• Engineering Principles 1• Projects and Systems (Continue)• Engineering Principles 2• Academic Skills• Engineering Environment• Engineering Analysis and Design using Software	<ul style="list-style-type: none">• Engineering Applications• Mechanics of Materials and Machines• Engineering Modelling and Analysis• Engineering Applications (Continue)• Thermofluids and Control Systems• Automobile/Mechanical Design• Research Methodology• Industrial Training	<ul style="list-style-type: none">• Design and Individual Project• Advanced Materials and Structures• Advanced Thermofluids and Control Systems• Design and Individual Project (Continue)• Finite Element and Difference Solutions• Management and Enterprise in Engineering• Professional Ethics

As stated in the Circular from Ministry of Education No. 2/2013 with reference number JPT/GS1000-606Jld.1(25), all new students who enroll into any programme in any private institution after 01 September 2013 are required to complete and pass all the required General Studies Modules / Mata Pelajaran Umum (MPU).

