

# Bachelor of Science (Honours) in Mechanical Engineering



## Programme Structure

| Year 1                                                                                                                                                                                                                                                                                                                                                                                          | Year 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Year 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| <ul style="list-style-type: none"> <li>Academic Skills</li> <li>Statics</li> <li>Engineering Mathematics 1</li> <li>Engineering Drawing</li> <li>Circuit Theory 1</li> <li>Engineering Mathematics 2</li> <li>Dynamics</li> <li>Workshop Technology</li> <li>Economics Analysis for Decision Making</li> <li>Engineering Thermodynamics 1</li> <li>Materials Science and Engineering</li> </ul> | <ul style="list-style-type: none"> <li>Engineering Mathematics 3</li> <li>Fluid Mechanics 1</li> <li>Manufacturing Process</li> <li>Computer Programming</li> <li>Mechanics of Materials 1</li> <li>Professional Ethics</li> <li>Fundamentals of Engineering Design</li> <li>Metrology</li> <li>Numerical Methods and Statistics</li> <li>Theory of Machines</li> <li>Design of Machine Elements</li> <li>Control Systems</li> <li>Heat Transfer and Combustion</li> </ul> | <ul style="list-style-type: none"> <li>Project</li> <li>Engineering Project Management</li> <li>Fluid Mechanics 2</li> <li>Engineering Thermodynamics 2</li> <li>Finite Element Analysis</li> <li>Mechanics of Materials 2</li> <li>Industry Safety</li> <li>Refrigeration and Air Conditioning Systems</li> <li>Computer Aided Engineering</li> <li>Engineers in Society</li> <li>Industry Engineering</li> <li>Engineering and Metallurgy</li> <li>Fundamentals of Vibration</li> <li>Elective Module-Operation Management</li> </ul> |

## PROGRAMME



## DURATION



## ENTRY REQUIREMENTS

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

N/521/6/0015 (FA0410) 04/21  
- Linton

### 3.5 Years

Main Intakes  
January, May  
and September  
(Linton)

#### CAREER PROSPECTS

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



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

AND

International students must pass:

- IELTS Band 5; OR
- TOEFL with a minimum score of 550; OR
- Pass English in Cambridge/ Edexcel GCE A level.
- Past MUET Band 3.
- Credits in Bahasa Inggeris in SPM level.

As stated in the Circular from Ministry of Education No. 2/2013 with reference number JPT/GS1000-606Jld.1(25), all new students who enrol 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).