

# Bachelor of Science (Honours) in Mechanical Engineering



## Programme Structure

Year 1	Year 2	Year 3
<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



1. **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
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: Minimum CGPA of 2.00; OR
5. **Diploma in Vocational and Technical / Skills** in the related field: Minimum CGPA of 2.00; OR
6. Other equivalent qualifications recognized by Malaysian Government.

AND

International students must pass:

- a) IELTS Band 5; OR
- b) TOEFL with a minimum score of 550; OR
- c) Pass English in Cambridge/ Edexcel GCE A level.
- d) Past MUET Band 3.
- e) 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).