

# BSc (Hons) in Electronic and Electrical Engineering



## Programme Structure

Year 1	Year 2	Year 3
<ul style="list-style-type: none"> <li>• Academic Skills</li> <li>• Programming with C++</li> <li>• Engineering Mathematics 1</li> <li>• Circuit Theory 1</li> <li>• Engineering Analysis and Design using Software</li> <li>• Circuit Theory 2</li> <li>• Engineering Mathematics 2</li> <li>• Solid State Circuits and Devices 1</li> <li>• Digital Electronics 1</li> <li>• Electrical Machines 1</li> <li>• Economics Analysis for Decision Making</li> </ul>	<ul style="list-style-type: none"> <li>• Solid State Circuits and Devices 2</li> <li>• Digital Electronics 2</li> <li>• Analogue Communications</li> <li>• Engineering Mathematics 3</li> <li>• Measurements and Instrumentation</li> <li>• Engineering Project Management</li> <li>• Signals and Systems</li> <li>• Electromagnetic Fields and Waves</li> <li>• Digital Communications</li> <li>• Microprocessor Systems and Interfacing</li> <li>• Control Systems Engineering 1</li> <li>• Group Project</li> <li>• Industrial Training</li> </ul>	<ul style="list-style-type: none"> <li>• Project</li> <li>• Elective Module 1*</li> <li>• Digital Signal Processing</li> <li>• Electrical Machines 2</li> <li>• Control Systems Engineering 2</li> <li>• Elective Module 2*</li> <li>• Elective Module 3*</li> <li>• Utilization of Electrical Energy</li> <li>• Elective Module 4*</li> <li>• Professional Ethics</li> </ul>

## PROGRAMME



## DURATION



## ENTRY REQUIREMENTS

### Bachelor of Science (Hons) in Electronic and Electrical Engineering

R/523/6/0044 (FA0415)  
07/21 - Linton

### 3 Years

Main Intakes  
April, August,  
December  
(Linton)

1. **STPM / A-Level** or its equivalent: Pass with a minimum Grade C (GP 2.00) in Mathematics and 1 relevant Science subject and a pass in English in SPM or its equivalent level; OR
2. **UEC**: Pass with minimum Grade B in 5 subjects including Mathematics and 1 relevant Science subject and a pass in English; OR
3. **Matriculation / Foundation** or its equivalent: Pass with a minimum CGPA of 2.00 and credit in Mathematics and 1 relevant Science subject and a pass in English in SPM or its equivalent level; OR
4. Diploma in Engineering / Engineering Technology or its equivalent: Pass with minimum CGPA 2.00; OR
5. Diploma in Vocational / Technical / Skills or its equivalent: Pass with minimum CGPA 2.00; OR
6. Other equivalent qualifications recognised 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 or equivalent; OR
- d) MUET minimum Band 3.

### CAREER PROSPECTS

*Field Test Engineer, Sales Engineer, Customer Support Engineer, Electronics/ Electrical Engineer, Research Engineer, Design & Development Engineer, Quality Production & Systems Engineer, Program Control Engineer etc.*

