

BSc (Hons) in Electronic and Electrical Engineering



Programme Structure

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

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.

