

A young man with dark hair, wearing clear safety glasses and a white lab coat over a light blue shirt, is smiling and looking towards the camera. He is holding a white card and a pen, and appears to be working on a circuit board. The background is a solid blue color.

**new** MASTER OF ENGINEERING  
IN ELECTRICAL AND ELECTRONIC  
ENGINEERING 4+0

in collaboration with Coventry University, UK

This four-year engineering programme grants students access to the latest advancements in electrical and electronic engineering. From the outset, the curriculum emphasises innovation, design, and development, enhancing both technical and transferable skills. Students engage with cutting-edge technologies under the guidance of renowned faculty and benefit from industry partnerships. The programme seamlessly combines theoretical knowledge with practical experience, fostering creativity and critical thinking.

This programme has received provisional accreditation by the **Engineering Accreditation Council (EAC) Malaysia**.

new

# MASTER OF ENGINEERING IN ELECTRICAL AND ELECTRONIC ENGINEERING 4+0

in collaboration with



## Highlights

- Recognised as an extended undergraduate Master's Degree, equivalent to a Level 7 qualification in the UK, and provides a pathway to a PhD in the UK.
- Recognised as equivalent to a Bachelor's Degree (MQF Level 6) in Malaysia.
- Provisionally accredited by the Engineering Accreditation Council (EAC) Malaysia.
- Gain industrial experience through group projects, employer-led initiatives, and internships.

## Career opportunities

Electrical Engineer, Electronics Engineer, Control System Engineer, Embedded System Engineer, Power System Engineer, Communication Engineer, Robotic Engineer, R&D Engineer, Design and Development Engineer, Production Engineer or Service Engineer, Test Development Engineer, Software Engineer, VLSI Design Engineer, System Engineer, Automation Engineer, Renewable Energy Engineer, IoT Solutions Architect, Quality Assurance Engineer

## Offered at

INTI International College Penang  
(N/0713/6/0041)(07/31)(MQA/PA17604)

## Intake (s)

JAN, APR & AUG



Committed to quality with Coventry University

## Programme structure

### Year 1

- Analogue and Digital Devices
- Electrical and Electronic Engineering Principles
- Electronic Systems in Action
- Engineering Design
- Engineering Mathematics
- Introduction to Programming

### Year 2

- Analogue and Digital Systems
- Analogue Control and Instrumentation
- Electrical Engineering
- Embedded System Design and Development
- Manufacture of Electronic Systems
- Signals and System Analysis

### Internship

### Year 3

- Communication Engineering
- High Frequency Electronics
- Power Electronics and Renewable energy
- Industrial Group Project Proposal
- Industrial Group Project Dissertation

### Electives

- Digital Control and Instrumentation
- VLSI Design

### Year 4

- Digital Signal and Image Processing
- Electrical Machines and Drives
- Power Systems
- Individual Project Proposal
- Individual Project Dissertation

### Electives

- FPGA-based Digital System Design
- Robotics – Kinematics, Dynamics and Applications

### MPU Subjects

- Appreciation of Ethics and Civilisation (Local students) / Malay Communication 2 (International students)
- Philosophy and Current Issues
- Bahasa Kebangsaan A\* / Design Thinking
- Corporate Social Responsibility and Community Engagement
- Integrity and Anti-Corruption

### Note:

- Please refer to [www.eac.org.my](http://www.eac.org.my) for more information about EAC.
- \*For Malaysian students who do not have a credit in SPM BM

## ENTRY REQUIREMENTS

- STPM
- A-Level
- SACE
- UEC
- Pre-U/Foundation/Matriculation
- CPU/Canadian Grade 12/Australian Year 12
- International Baccalaureate
- Diploma (Eng/Eng. Tech.)
- CGPA 2.0 (with full pass in 2 subjects including Mathematics and 1 science subject AND a pass in English at SPM)
- 3Bs including Mathematics and 1 of Physics/Chemistry/Electronic/Computer Science/Computing/Design Tech
- Average of 55 including Mathematics and 1 science subject
- 5Bs including Mathematics and 1 science subject
- Pass recognised programme in related field with CGPA 2.0
- Pass in 6 subjects with an average of 55 including Mathematics and 1 science subject
- Pass with minimum score 26/42 including Mathematics and 1 science subject
- Pass with CGPA 2.0

## ENGLISH LANGUAGE REQUIREMENTS

SPM English Grade C / GCE O-Level Grade C / English 1116 Grade 1-6 / IELTS Band 6.0 & above / TOEFL 500 & above / UEC Grade B

INTI INTERNATIONAL COLLEGE PENANG DK249-02(P)  
04-631 0138 • No. 1-Z, Lebuhr Bukit Jambul, 11900 Penang

NEWINTI.EDU.MY  
fb.com/INTI.edu