

new **MASTER OF ENGINEERING
WITH HONOURS IN MECHANICAL
ENGINEERING 4+0**

in collaboration with Coventry University, UK

Mechanical engineers address engineering challenges by developing and enhancing the mechanical performance of equipment and devices, utilising new technologies and materials grounded in engineering principles to optimise energy efficiency. They play a crucial role across a wide range of industries, including manufacturing, mechanical and electrical consultancy, engineering design, renewable energy, and research.

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

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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

Mechanical/Manufacturing Engineer, R&D Engineer, Test Engineer, Design Engineer

Offered at

INTI International College Penang
(N/0714/G/0026)(01/31)(MQA/PA16869)

Intake (s)

JAN, APR & AUG



Committed to quality with Coventry University

Programme structure

Year 1

- Design
- Electrical and Electronic Engineering Principle
- Engineering Applications
- Engineering Mathematics
- Manufacturing Technology and Materials
- Mechanical Science

Year 2

- Analytical Modelling
- Design and Sustainability
- Engineering Management
- Instrumentation and Control
- Solid Mechanics and Dynamics
- Thermofluid Mechanics
- Professional Training

Year 3

- Computational Thermofluids
- Engineering Strategy and Professional Practice
- Further Stress Analysis and Structural Dynamics
- Industrial Group Project Proposal
- Industrial Group Project Dissertation

Electives (choose 1)

- Finite Element Methods
- Materials Analysis and Advanced Manufacturing

Year 4

- Advance Control System Engineering
- Business Innovation and Sustainability
- Engineering Simulation and Analysis
- Individual Project Proposal
- Individual Project Dissertation

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 for more information about EAC.
- Programme name is subject to revision by the Ministry of Higher Education. Kindly refer to the Head of Programme.

*For Malaysian students who do not have a credit in SPM BM

ENTRY REQUIREMENTS

- STPM
- A-Level
- SACE
- UEC
- Pre-U/Foundation/Matriculation
- CPU
- International Baccalaureate
- Diploma
- CGPA 2.0 (with full pass in 2 subjects including Mathematics and 1 science subject)
- 3Cs including Mathematics and 1 science subject
- Average of 78 including Mathematics and 1 science subject
- Pass Advanced Mathematics and 1 science subject AND pass in English
- Pass recognised programme in related field with CGPA 2.0
- Pass in 6 subjects with an average of 72 including Mathematics and 1 science subject
- Pass in 6 subjects with minimum score of 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

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NEWINTI.EDU.MY
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