

Facilities

- Library
- Computer Labs
- State-of-the-Art Science Labs
- Multidisciplinary Medical Labs
- Anatomy Lab
- Anatomy & Pathology Resource Centre
- Pharmacy Labs
- Biotechnology Lab
- Clinical Skills Lab
- Cafeteria
- Student Lounge
- Bookstore
- Music Room
- Fine Dining Restaurant
- Data Ecosystem Laboratory of Technology and Applications
- QIU Sustainable Agri-research
- Commercial Kitchen
- Buzz Hub Studio

Hostel

Accommodation

QIU's hostels provide accommodation for students who yearn for the experience of independent life in a secure environment. Nestled in the greenery of the Kinta Valley, our condominium units give students the option of staying in a single or twin- sharing room, with 4 or 6 occupants to a unit.

Transportation is provided to shuttle students between the residences and the city campus. Security checkpoints are installed outside each unit, as part of the 24-hour security surveillance system operated by QIU-appointed personnel.

- 24 Hours Security
- Free Internet & WIFI
- Outdoor Playground & Swimming Pool



+605 2490500

Quest International University Perak (DU021(A))
No. 227, Plaza Teh Teng Seng (Level 2), Jalan Raja Permaisuri Bainun,
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Quest International University Perak



@qiup_edu

Student Services

Student and Career Counselling

At QIU, our counsellors are available to help students with academic and/or personal concerns. Students at QIU will be given personalised attention to assist them in meeting their academic needs.

Assistance with Accommodation

QIU will help students with their accommodation arrangements, ensuring that they can enjoy a fun, enjoyable university experience.

Mentorship Programmes

At QIU, students are not just taught academic programmes but are mentored to excel in their future careers and become responsible citizens who will contribute to the betterment of society.



QUEST
INTERNATIONAL
UNIVERSITY



Diploma in Mechatronics Engineering

JPT/BPP(MQA/PA6183)10/20

Diploma in Mechatronics Engineering

JPT/BPP(MQA/PA6183)10/20

Mechatronics is a multidisciplinary field of engineering that integrates mechanics, electronics, robotics, control and automation. This programme is designed to expose students to the principles and practice of mechatronics.

The syllabus focuses mainly on the delivery of principles and practices that integrate disciplines in mechanical and electronic engineering, as well as computing. Students will also acquire work skills and develop a broad understanding and knowledge of the engineering industry.

Compulsory industrial training is incorporated into the syllabus to make the graduates industry-ready upon completion of their diploma programme.

Upon completion of the programme, graduates can work as technicians, assistant engineers, research and development assistants, technical representatives and production technicians in the fields of manufacturing, process, automation and control industry and robotics industry.



Intakes:

April, July,
September / October



Duration:

Full-time : 3 years
Part-time : 4 years



Mode of Study:

Full-time and Part-time



Assessment:

Students' abilities are gauged through continuous assessments and a final examination. The continuous assessment component comprises tests / quizzes, a mid-term examination and projects / assignments.

Minimum



Entry Requirements

Sijil Pelajaran Malaysia (SPM)

Three (3) credits, including Mathematics and any one (1) Science/Technical/Vocational subject, and a pass in English

Sijil Tinggi Pelajaran Malaysia (STPM)

Minimum Grade C (CGPA 2.0) in any one (1) subject and a pass in Mathematics, English and any one (1) Science/Technical/Vocational subject at SPM level or equivalent

Unified Examination Certificate (UEC)

Minimum Grade B in three (3) subjects including Mathematics and any one (1) Science / Technical / Vocational subject and a pass in English

Foundation / Matriculation / Pre-University

Pass in a related field with minimum CGPA 2.00 out of 4.00

Certificate in Engineering / Engineering Technology (Level 3 KKM)

Pass with minimum CGPA 2.00 out of 4.00

Certificate in Vocational and Technical / Skills (Level 3 KKM) or its equivalent

Pass with CGPA 2.00 out of 4.00 and one (1) year experience in a related field or one (1) semester of bridging programme

Other Qualifications

Other equivalent qualifications recognised by the Government of Malaysia

English Proficiency for Foreign Student

IELTS – 4.0 / TOEFL (397)
PBT or equivalence / IBT (30)



Programme

Content

The following courses are offered in the **Diploma in Mechatronics Engineering JPT/BPP(MQA/PA6183)10/20** programme:

General Studies Subjects

Local

- Hubungan Etnik
- TITAS
- Communication Skills/ Bahasa Kebangsaan A
- Media and Community
- Community Service

International

- Bahasa Melayu Komunikasi 2
- Malaysian Studies
- Communication Skills
- Media and Community
- Community Service

University Courses

- Practical English 1
- Practical English 2
- Co-Curriculum

Compulsory Courses

Common Core Subjects:

- Applied Physics
- Calculus
- Introduction to Programming

- Linear Algebra
- Engineers in Society
- Technopreneurship

Discipline Core Subjects:

Electrical & Electronics:

- Applied Physics
- Calculus
- Introduction to Programming
- Linear Algebra
- Engineers in Society
- Technopreneurship

Mechanical & Design:

- Engineering Mechanics Statics
- Engineering Mechanics Dynamics
- Computer Aided Drafting
- Strengths of Material
- Thermofluids

Control & Automation:

- Microprocessor & Microcontroller
- Hydraulics and Pneumatics
- Programmable Logic controller
- Control System
- Mechatronic Workshop
- Mechatronic Systems
- Mechatronics Design Project

Project & Training:

- Project 1
- Project 2
- Industrial Training

Elective subject - choose one (1) only:

- Statistics & Quality Control
- Robotic Engineering
- Manufacturing Engineering

Why

Choose QIU?

1

Industry-based curriculum incorporating design aspects

2

Bridging skills gap with a **revolutionary industry-supported programme**

3

Experiential learning with **16-24 weeks** of industrial attachment

4

Experienced lecturers registered with the Board of Engineers (BEM)

5

Programmes **aligned to IR 4.0** prospects as well as education and industry certification standards