

BACHELOR OF SCIENCE (HONOURS) IN APPLIED ARTIFICIAL INTELLIGENCE

(MQA/PA19414)

New
**Commences
October
2026**

Artificial Intelligence is transforming industries and redefining the way people live and work. The Bachelor of Science (Hons) in Applied Artificial Intelligence prepares graduates to harness intelligent technologies to solve complex real-world problems. From machine learning and generative AI to data engineering, computer vision, and AI deployment, the programme combines technical expertise with responsible AI practices to develop innovative solutions that create meaningful impact across diverse industries.

With a strong emphasis on practical learning, innovation, and ethical AI development, graduates are equipped to design, deploy, and manage intelligent systems that address today's challenges while anticipating tomorrow's opportunities.

Strategic industry partners



Intakes | February / June / October

Duration | 3 Years

Programme Modules

YEAR 1

- Bahasa Kebangsaan A*** OR Principles of Entrepreneurship
- Programming Fundamentals for AI
- Mathematics for AI
- Foundations of Artificial Intelligence
- Communicative Malay 2 OR Bahasa Melayu Komunikasi 2 (International Students)
- Penghayatan Etika dan Peradaban (Malaysian Students)
- Integrity and Anti Corruption
- Data Communications and Networking
- Linear Algebra
- Computer Systems and Operating Environments
- Philosophy and Current Issues
- AI Search and Optimisation
- Probability and Statistics
- Malaysian Economy
- Database System
- Artificial Intelligence Applications and Impact

YEAR 2

- Data Engineering
- Data Mining and Visual Analytics
- MLOps & AI Deployment Engineering
- Artificial Intelligence Safety, Security and Governance
- Responsible AI and Ethics
- Edge AI and Embedded Intelligence
- Business Intelligence and Decision Systems
- Agentic AI and Autonomous Systems
- Applied Machine Learning
- AI Innovation and Product Strategy
- Generative AI
- Project Management for AI Systems
- Computer Vision for Industrial Application

YEAR 3

- Intelligent Robotics for Smart Cities
- Big Data Technologies for Business
- Time-series and Sensor Pattern Analysis for Business Application
- Project 1
- Blockchain and Intelligent Systems for Business Innovation
- AI for Industry and Productivity
- Project 2
- Industrial Training

ENTRY REQUIREMENTS

- A pass in STPM with a minimum Grade of C (GP 2.00) in any two subjects; OR
- A pass in STAM with a minimum Grade of Jayyid in any two subjects; OR
- A pass in Matriculation or Foundation studies with a minimum CGPA of 2.00; OR
- Any Diploma in non-Artificial Intelligence/Computing/Science, Technology and Engineering fields (Level 4, MQF) with a minimum CGPA of 2.75. Candidates with a CGPA below 2.75 but more than 2.50 may be admitted, subject to a thorough rigorous assessment;
- AND a credit in Mathematics at the SPM level or its equivalent or higher; OR
- A pass in STPM or its equivalent with a minimum Grade of C (GP 2.00) in Mathematics subject and one Science/ICT subject; OR
- Any Diploma related to Artificial Intelligence/Computing/ Science, Technology and Engineering fields (Level 4, MQF) or its equivalent with a minimum CGPA of 2.50. Candidates with a CGPA below 2.50 but more than 2.00 may be admitted subject to a thorough rigorous assessment; OR
- Diploma Kemahiran Malaysia (DKM)/Diploma Vokasional Malaysia (DVM) related to Artificial Intelligence/Computing/ Science, Technology and Engineering fields with CGPA below 2.50 but more than 2.00 may be admitted subject to a thorough rigorous assessment; OR
- Diploma Lanjutan Kemahiran Malaysia (DLKM) related to Artificial Intelligence/Computing/Science, Technology and Engineering fields with CGPA below 2.50 but more than 2.00 may be admitted subject to a thorough rigorous assessment; OR
- APEL A is accepted as an alternative entry pathway for Undergraduate, Master's and Doctorate programmes, subject to the relevant entry requirements and MQA requirements
- Other relevant and equivalent qualifications recognised by the Malaysian Government.

Note:

- Those who obtained a pass in Mathematics at SPM level or equivalent can be admitted but are required to take and pass a reinforcement Mathematics subject.
- The reinforcement of the Mathematics subject must be offered before enrolment or in the first semester with conditional offer.
- Students are required to pass the reinforcement Mathematics before being allowed to take related core courses. The candidate can sit for any subjects that do not indicate Mathematics as a prerequisite.
- International candidates can be admitted if their admission qualification contains Mathematics subject (s) equivalent to Additional Mathematics at the SPM level. If it is not equivalent, a reinforcement Additional Mathematics subject equivalent to the SPM level must be offered before enrolment.
- Students from Matriculation/Foundation or its equivalent can be exempted from taking reinforcement Mathematics, provided that the Mathematics offered at that programme level is equivalent to/more than the Mathematics offered at SPM level or higher.

English language competency requirements for international students

- Achieve a minimum score of 5.0 in the IELTS or equivalent.

UM-Wales at a Glance

Owned by two prestigious universities, the **Universiti Malaya-Wales (UM-Wales)** was established based on a mutual partnership between **Universiti Malaya (UM)** & the **University of Wales Trinity Saint David (UWTSD)**, UK in 2013. Since then, the university has experienced tremendous growth and remains committed to delivering education based on employability to develop students who are ready to contribute towards the next industrial revolution.

Study Pathway @ UM-Wales

Foundation
programme
(1 year)

Bachelor's
programme
(3 years)

Master's
(1 year)
*Fulltime

PhD
(Min 3 years)
*Fulltime



GETTING HERE

By Train

LRT – PWTC Station
Ampang Line / Seri Petaling
(Approximately a 15 minute walk)

KTM – Putra Station
(Approximately a 10 minute walk)

KL Monorail
Titiwangsa Station – PWTC
Station

By Car

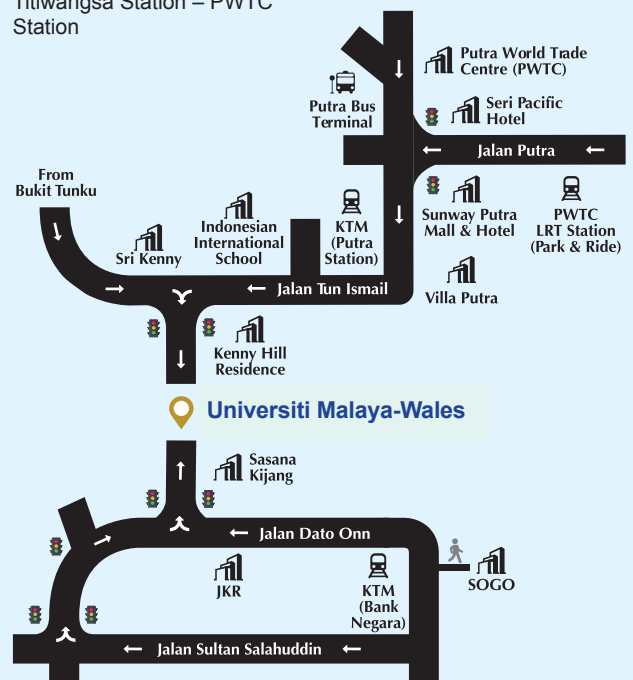
3.161° N, 101.691° E

By Bus

No 852 (KTM Putra stop)

By e-hailing

Universiti Malaya-Wales



DISCLAIMER

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