



**INTERNATIONAL
UNIVERSITY OF
MALAYA-WALES**

Owned by:



University of Wales
Prifysgol Cymru



BACHELOR OF SCIENCE (HONS) IN BIOTECHNOLOGY



BACHELOR OF SCIENCE (HONS) IN BIOTECHNOLOGY

KPT/IPT (N/545/6/0042) 08/19

PROGRAMME OVERVIEW



The pure sciences have been pivotal in the development of human understanding of the biological, physical, structural, and mechanical compositions in the world that surrounds us and the civilization we built upon it. Advancement in the field of sciences has been of utmost focus for hundreds of years. It is a fast-paced, dynamic field of discovery that brings about new findings on a day-to-day basis. It has seen leaders and great minds come together to unite as an inclusive, innovative and impactful community that seeks to provide solutions to the scientific and technological challenges faced by businesses, governments and societies across borders.

IUMW has ventured into the field with an emphasis on real-world applications. With the state-of-the-art learning facilities offered by our global founders in Malaysia and the United Kingdom, the overall mission is to integrate technology effectively in a digitally driven society while fuelling innovation in industry, engineering, medicine and public health sectors.

At IUMW, we believe that success is driven not only by what our students know, but by what our students can do with what they know. Pave the way to a stellar career in one of the many research facilities and businesses that make up the Biotechnology industry with our Bachelor of Science (Hons) in Biotechnology.

DURATION OF STUDY

Malaysian Students | 6 semesters + Internship
International Students | 6 semesters+ Internship

APPLY NOW

INTAKES

FEBRUARY
JUNE
SEPTEMBER

ENTRY REQUIREMENTS

Malaysian Students

- Pass SPM or equivalent; AND
- Pass STPM with minimum two (2) Principal Passes (C), including one (1) Science subject; OR
- Pass A-Level with minimum two (2) Principal Passes (E), including one (1) Science subject; OR
- Pass UEC with Grade B4 in five (5) subjects including two (2) Science subjects; OR
- Pass in Foundation in Science; OR
- Pass in Diploma in the relevant field with minimum CGPA of 2.00; OR
- Fulfil other entry requirements that are recognised by the Malaysian Government; AND
- Pass IUMW English Placement Test

International Students

- Pass A-Level with minimum two (2) principal passes (E) including one (1) science subject; OR
- Fulfil other entry requirements that are recognised by the Malaysian Government; AND
- Pass IELTS with minimum band 5, or TOEFL with minimum score of 500; AND
- Pass IUMW English Placement Test

CAREER OPPORTUNITIES

- Microbiologist
- Research Technologist
- Laboratory Biotechnologist
- Medical Technologist
- Clinical & Regulatory Executive or Officer
- Quality Control Officer or Analyst
- Science Researcher
- Field Application Specialist



THE QS WORLD UNIVERSITY RANKINGS
RANK 87 IN THE WORLD



PROGRAMME MODULES

Year 1

- Chemistry
- Computer Fundamentals and Programming
- Introduction to Biotechnology
- Mathematics
- Co-Curriculum 1
- English for Academic Writing
- Tamadun Islam dan Tamadun Asia (Malaysian Student)
- Communicative Malay 2 (International Student)
- Biochemistry I
- Biostatistics
- Genetics
- Microbiology
- Co-Curriculum 2
- English for Research Writing
- Hubungan Etnik (Malaysian Student)
- Malaysian Studies 3 (International Student)

Year 2

- Biochemistry II
- Bioinstrumentation
- Cell and Molecular Biology
- Enzyme Technology
- English for Occupational Purposes
- Principle of Entrepreneurship
- *Bahasa Kebangsaan
- Food Microbiology
- Genetic Engineering
- Immunology
- Microbial Biotechnology
- Plant Cell and Tissue Culture

Year 3

- Animal Biotechnology
- Bioinformatics
- Plant Biotechnology
- Marine Biotechnology
- Public Speaking Skills
- Undergraduate Project I
- Fermentation Technology
- Industrial Biotechnology
- Bioreactor Design
- Current Topics in Biotechnology
- Undergraduate Project II
- Industrial Training

* For Malaysian students who do not possess credit in the Bahasa Melayu subject at the SPM level



RANK 7 IN THE UK
FOR ACADEMIC EXPERIENCE





International University of Malaya-Wales

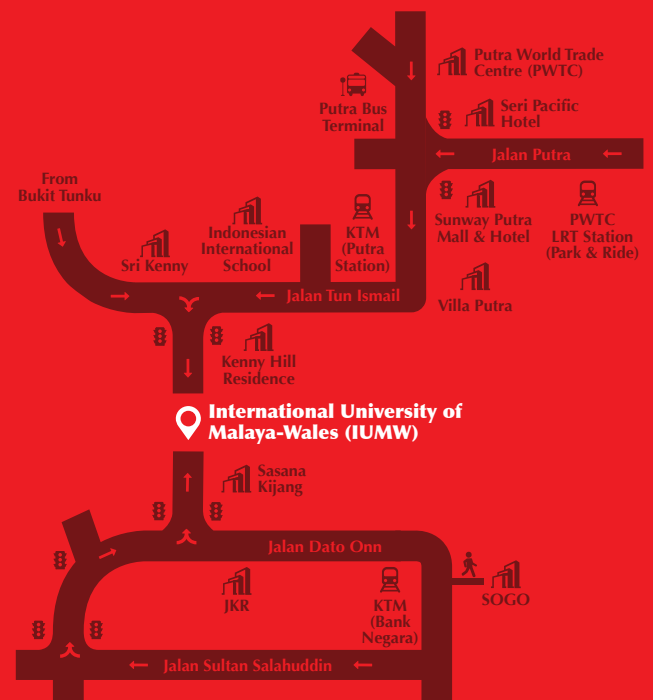
(958963-T) (KPT/JPT/DFT/USAW19)

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iumw.edu.my



The campus is easily accessible by public transport and located within 10 minutes' walk from KTM Putra Station and Star LRT PWTC Station.

GPS 3.160276z. 101.691676

