

# BIOMEDICAL SCIENCE

KPT/JPT(R3/421/6/0011)12/2027 | MQA/A8230

## Build an exciting career in Biomedical Science

Biomedical Science is a dynamic field that thrives on change, and offers vast career opportunities across the healthcare industry. Students of this programme can complete their entire 3 years in IMU or transfer to one of our partner universities. Through large and small group teaching, as well as industrial placement in biomedical labs, the programme will help you develop the critical thinking and analytical skills needed to be a biomedical scientist. Students also stand to gain ample invaluable experiences through participation and organisation of educational activities that will equip you to excel in the profession. Welcome to a future of opportunities.

### ◆ Assessment

Students will be assessed through:

- Class tests • Practical reports • Workshops • Portfolios
- Projects • Logbooks • Written reports • Presentations
- Dissertations • End-of-semester exams

### ◆ Degree Recognition

IMU's Biomedical Science degree is recognised by the Malaysian Qualification Agency (MQA). Our students have made significant achievements in their academic portfolios. A notable recognition is the consistent positive feedback from external supervisors on the performance of IMU's Semester 6 interns in Singapore, United Kingdom, Australia, China, Canada, New Zealand and Taiwan. They bear testament to IMU's high benchmark for its graduates' quality even on the world stage.

#### Degree / Duration

Bachelor of Science (Hons) in  
Biomedical Science (IMU)  
3 years

Degree from Partner Universities  
3 – 4 years

#### Commencement

Jul / Sep

#### Partner Universities

##### Australia



##### United Kingdom



##### New Zealand



#### Accreditation



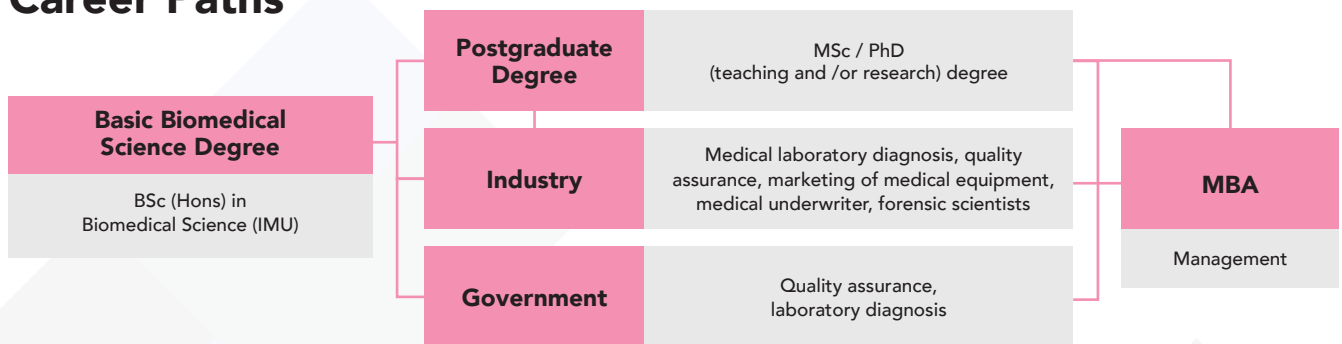
This programme is accredited by the  
Institute of Biomedical Science (IBMS)

## Career Pathways

Biomedical scientists play an important role in the healthcare sector, where their main responsibility is to perform testing and analysis on clinical samples to help physicians diagnose illness and evaluate treatment efficacy. Other career options include laboratory management and quality assurance, embryology, sales and marketing, product specialist, insurance claim /underwriting, as well as medical, veterinary and agricultural research in universities or research / healthcare institutions. Some of the main industries that employ biomedical scientists are hospitals, Universities, pharmaceuticals, insurance, biotechnology, medical laboratory instruments, and cosmetic/toiletry.

Biomedical Science graduates can undertake postgraduate degrees in any of the related disciplines, or pursue a career in education. Many IMU graduates have secured research and academy positions in public and private universities worldwide, including UM, UPM, Oxfords, NUS, LEEDS, Cancer Research Malaysia and IMU.

## Career Paths



## Opportunities for Biomedical Scientists

Key Area	Occupation	Workscope
<b>Healthcare</b> <ul style="list-style-type: none"> <li>Public and private hospital laboratories</li> <li>Public health laboratories</li> <li>Private pathological laboratories</li> <li>Forensic</li> <li>Fertility centre</li> </ul>	<ul style="list-style-type: none"> <li>Clinical laboratory scientist</li> <li>Embryologist</li> </ul>	<ul style="list-style-type: none"> <li>Analysis of clinical specimens such as body fluids and blood</li> <li>Isolation and analysis of microbiology samples</li> <li>Matching blood of donors to recipients to ensure compatibility</li> <li>Crime-solving</li> <li>Perform in vitro fertilisation and genetic testing at fertility centre</li> </ul>
<b>Research and Academia</b> <ul style="list-style-type: none"> <li>Universities</li> <li>Research / health institutions</li> </ul>	<ul style="list-style-type: none"> <li>Principal investigator</li> <li>Research scientist</li> <li>Research assistant</li> <li>Lecturer / tutor</li> <li>Teacher</li> </ul>	<ul style="list-style-type: none"> <li>Medical / health, biotechnology, veterinary and agricultural research</li> <li>As educators for schools and universities</li> </ul>
<b>Industry</b> <ul style="list-style-type: none"> <li>Pharmaceutical</li> <li>Biotechnology</li> <li>Chemicals</li> <li>Cosmetics and toiletries companies</li> <li>Insurance industry</li> </ul>	<ul style="list-style-type: none"> <li>Research scientist</li> <li>Quality control officer</li> <li>Product specialist</li> <li>Application specialist</li> <li>Sales and marketing</li> <li>Business manager</li> <li>Clinical research associate</li> <li>Insurance claim assessor</li> <li>Insurance underwriter</li> </ul>	<ul style="list-style-type: none"> <li>Research and development of new products</li> <li>Giving product presentation, assist in product installation and provide product application training</li> <li>Develop and implement sales and marketing strategies</li> <li>Plan, coordinate and oversee the conduct of clinical trials</li> <li>Conduct medical claim assessment, review application for insurance coverage</li> </ul>
<b>Entrepreneurship</b>	<ul style="list-style-type: none"> <li>Director</li> </ul>	<ul style="list-style-type: none"> <li>As entrepreneur</li> </ul>

## Programme Structure

MPU Short Semester	Semester 1	Semester 2	Semester 3
MPU1 (2 compulsory modules) Penghayatan Etika & Peradaban Philosophy & Current Issues OR Philosophy & Current Issues Bahasa Melayu Komunikasi 2 MPU2 (English for Health Sciences) MPU3 (Integrity & Anti-Corruption)	Principles of Biology & Genetics General Biochemistry Laboratory Instrumentation & Management Anatomy & Physiology General Pathology Statistics for Biomedical Scientists	Cardiovascular & Respiratory Systems General Pharmacology Haematology & Transfusion Science Microbiology Metabolic Biochemistry Medical Epidemiology & Public Health	Musculoskeletal & Central Nervous Systems Molecular Biology & Biotechnology Management & Experimentation on Animals Histopathology & Cytopathology Biomedical Informatics MPU4 Selective
Semester 4	Semester 5	Semester 6	Short Semester
Immunology Clinical Biochemistry Parasitology & Entomology Gastrointestinal & Renal Systems Genomics & Molecular Diagnostics Fundamentals of Entrepreneurship Research Methodology	Reproductive & Endocrine Systems Biomedical Toxicology Forensic Science & Pathology Current Trends in Biomedical Science Research Project Professional Practice for Biomedical Scientists	Practical Attachment - The Apprentice (Diagnostic Laboratory)	Practical Attachment - The Apprentice (Industry)

Curriculum is reviewed periodically and subject to change.

MPU modules are compulsory, imposed by the Ministry of Higher Education under the Private Higher Educational Institutions Act 1996 (Act 555). Every student must pass all modules as a prerequisite for the awarding of the degree.

## Our Alumni

Our alumni have embarked on diverse and promising career paths across various industries. Our graduates are a true testament to the versatility of their education, as they continue to excel in a wide range of professional healthcare fields. Scan the QR code to see where our graduates are today.

Scan here



# Programme Fees

## Fees Overview

All fees quoted are in Ringgit Malaysia unless stated otherwise.

Fee	Amount (RM)	
	Malaysian Student	International Student
Application Fee	150	500
Registration Fee	850	2000
Refundable Caution Deposit	1,000	1,000

- Application fee is payable upon submission of application
- Registration fee and refundable caution deposit are payable upon acceptance of the offer letter issued by the IMU Admissions Office
- As stipulated by the Malaysian Ministry of Education, international students are required to pay Student Visa Application fee of RM2,500 AND personal bond (depending on nationality) upon registration
- International students will also be required to pay Student Visa Renewal fee every year
- Students must adhere to the "Policy on Payment of Fees"
- All students are required to pay Student Association Fees of RM40 per semester
- All tuition and ancillary fees are subject to annual increases, currency exchange rates, and exclusive of levy and bridging fees (if any)
- Application fee and Registration fee is non refundable
- All students who are applying for the National Higher Education Fund (NHEF) loans are required to pay their semester fees in FULL by the due date stated in the invoice.

## Tuition Fees

	Total Duration (years)	At International Medical University (IMU)						At Partner University (PU)		
		Years	Total Semesters	Tuition Fee				Estimated Tuition Fees at Partner University		
				Malaysian Student		International Student		Years	Total Semesters	Tuition Fee Per Year
				Per Semester	Per Year	Per Semester	Per Year			
Bachelor of Science (Hons) in Biomedical Science (IMU)	3	3	6	21,000	42,000	22,000	44,000	-	-	-
Credit Transfer to University of Newcastle <i>Bachelor of Biomedical Science</i>	3	1.5	3	21,000	42,000	22,000	44,000	1.5	3	AUD 44,425
Credit Transfer to University of Otago <i>Bachelor of Medical Laboratory Science</i>	4	2	4	21,000	42,000	22,000	44,000	2	4	NZD 46,295
Credit Transfer to University of Strathclyde** <i>BSc (Hons) Biomedical Science</i>	4	2	4	21,000	42,000	22,000	44,000	2	4	GBP 25,250
Credit Transfer to University of Strathclyde** <i>BSc (Hons) Biomedical Science</i>	3*	1	2	21,000	42,000	22,000	44,000	2	4	GBP 25,250
Credit Transfer to University of Strathclyde** <i>MSc Forensic Science</i>	4	3	6	21,000	42,000	22,000	44,000	1	2	GBP 28,950

\*It is compulsory to complete the one-year IMU Foundation in Science prior to embarking on this pathway. Fees for Foundation in Science is RM29,400.

\*\*All IMU students transferring to University of Strathclyde and meet the eligibility criteria will be eligible for a 15% bursary. Applicable upon transfer to University of Strathclyde.

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KP/JPS/5195/US/2, KP(JPS)/DFT/US/W03



The IMU has been certified with ISO21001:2018 and ISO 45001:2018 for the provision of Pre-University, Undergraduate and Postgraduate Programmes for the Medical and Healthcare Professions.



Want to learn more?  
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Published by the Marketing and Enrollment Office, IMU. 2024/03/v2