

Bachelor of Science (Hons) Biomedical Science **(KP/JPS (KA6169) 7/10)**

Biomedical Science is one of the most important areas of science where much research has been carried out. Its economic potential is enormous in Malaysia which has shown rapid growth in the health care industry.

In order to realize our nation's goal to become a developed country by 2020, Malaysia is embarking on various high-tech ventures including biomedical research which helps to provide citizens access to advanced medical care through developing effective vaccines, medical equipment, and drugs; and through creating a pool of skilled workers to cater to the growing demand of the health care industry.

This 3-year programme has been designed to meet the needs and the challenges of the rapid advancement in medicine. This course focuses on developing sound knowledge and analytical skills among undergraduates in various medical and clinical sciences, including anatomy and physiology, endocrinology, human nutrition, molecular biology, clinical biochemistry, molecular and cellular genetics, neurobiology, medical microbiology and parasitology, immunology, toxicology, pathology, hematology, virology, oncology, pharmacology, and nuclear medicine.

CAREER PROSPECTS

Biomedical science courses lead to a continually changing, dynamic profession with long-term career prospects including management, research, education and specialised laboratory work. Graduates may find employment in biomedical research, pathology, veterinary science or hospital laboratories. They may work in the police force in the area of forensic science, legal and pathological areas, food and health care as well as pharmaceutical industries and other relevant government and industrial laboratories. With their strong background in biological and biomedical sciences, graduates may also pursue a career in education.

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Year 1	
First Semester	
	Cell Biology
	Structural Biochemistry
	Computer Systems and Applications
	Bahasa Kebangsaan (A)* <i>For Malaysians</i> or Bahasa Kebangsaan (B)** <i>For non-Malaysians</i>
	<u>Elective I</u> Public Relations or Ethics, Professional & Social Issues
Second Semester	
	Anatomy & Physiology
	Metabolic Biochemistry

	Mathematics for Bioscience
	Pengajian Malaysia
	English for Science
Year 2	
First Semester	
	Microbiology
	Clinical Biochemistry
	Endocrinology
	Principles of Nutrition
	Pendidikan Moral or Pengajian Islam
	<u>Elective II</u> Organisation and Human Resource or Management Principles
Second Semester	
	Molecular Biology
	Neurobiology
	Medical Microbiology & Parasitology
	Genetics
	<u>Elective III</u> Organisational Communication or Culture and Communication
Year 3	
First Semester	
	Project (I)
	Immunology
	Molecular Basis of Human Disease
	Biochemical Toxicology
	Haematology
	Panthology
Second Semester	
	Project (II)
	Virology
	Pharmacology
	Oncology
	Nuclear Medicine
	<u>Elective IV</u> Introduction to Sociology or

	Interpersonal Communication