

BACHELOR OF BIOMEDICAL SCIENCES (HONS)

KPT/JPS (R/720/6/0011) (MQA/FA0002) 07 / 21

FACULTY OF MEDICINE,
BIOSCIENCE & NURSING

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"It is the responsibility of those of us involved in today's biomedical research enterprise to translate the remarkable scientific innovations we are witnessing into health gains for the nation. At no other time has the need for a robust, bidirectional information flow between basic and translational scientists been so necessary."

- Elias Zerhouni
Algerian Scientist

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OVERVIEW

This degree provides a broad-based training in the application of the principles of the natural sciences to medicine for the understanding of human health. Students learn of the causes, the diagnosis and the monitoring of treatment of human disease from the perspective of the pathology laboratory.

The Bachelor of Biomedical Sciences (Hons) is a full time 4-year degree programme offered and conducted by MAHSA University Malaysia with quality assured by Anglia Ruskin University, UK. The curriculum of this course is developed in MAHSA University and validated by the Anglia Ruskin University as per the UK standards. The quality of delivery is maintained through regular audits by them and all assessments of the programme are moderated by Anglia Ruskin faculties to maintain equity among students. Upon successfully completing the degree programme at MAHSA University, Kuala Lumpur, Students will receive a dual award from both MAHSA University and Anglia Ruskin University, UK. Anglia Ruskin and MAHSA have been consistently praised for the quality of their teaching and learning methods. Lecturers at both institutions have extensive experience in the Biomedical Sciences profession and many are renowned in their respective fields. Facilities are of a high standard with modern lecture theatres, laboratories and IT suites, complete with specialised equipment and software. Anglia Ruskin / MAHSA BMS students will be given the same access to library facilities and e-learning facilities as UK-based BMS students.

MAHSA provides students with a comprehensive understanding of all aspects of human health and disease from the perspective of the diagnostic laboratory.

PROGRAMME STRUCTURE

- Biochemistry
- Genetics
- Immunology
- Microbiology
- Molecular Biology
- Pathology
- Anatomy & Physiology
- Pharmacology, Toxicology
- Professional Skills, Laboratory Management Analytical Techniques, Instrumentation, Cell Culture

The following specialist disciplines of pathology are also taught:

- Cellular Pathology, Cytology
- Clinical Biochemistry
- Medical Microbiology, Parasitology
- Haematology
- Transfusion science

Research training will be provided by way of a research project in the final year.

Students have the opportunity to gain valuable work experience in a clinical laboratory during the course by way of placement after Year 1.

Teaching is undertaken by permanent staff of the Department of Biomedical Sciences and other departments of MAHSA.



PROGRESSION PATHWAY



ENTRY REQUIREMENTS

ACADEMIC QUALIFICATION STPM / Matriculation / Pre-University

A-Level

Diploma

English Requirement

REQUIREMENTS

- ◆ Pass with a minimum of GPA 2.33 in 2 of the following subjects: Biology / Physics or Mathematics / Chemistry
- ◆ Pass with a minimum of Grade D in 2 of the following subjects: Biology / Physics or Mathematics / Chemistry
- ◆ A minimum CGPA of 2.75 in related field OR; A CGPA less than 2.75 in related field and a minimum of 3 years (36 months) working experience in the related field
- ◆ MUET: Band 3 | TELTS: 5.5 | TOEFL: 550

CAREER OPPORTUNITIES

Since the training is broad-based, graduates have a wide range of career choices. Graduates with this degree have excellent career prospects in:

- Hospital pathology services
- Biomedical research at universities and research institutions
- Pharmaceutical industries
- Biotechnology industries
- Diagnostics industries
- Veterinary or animal science
- Forensic science • Scientific departments of the civil service
- Teaching
- Scientific writing

The Biomedical Science degree is also a stepping stone for graduates to continue their studies in medicine, dentistry or to a higher degree in science MSc, PhD.

Graduates in biomedical sciences may progress to acquire MBAs to hold managerial positions in health – related industries.

MAHSA360

At MAHSA University, we provide our students with the opportunity to develop quality skills and understanding that go beyond their field of study which will prepare them for their next leap upon graduation.

MAHSA 360 is our specially designed ecosystem that works to ensure every student is nurtured and supported throughout their student journey.



MAHSA'S PASSPORT TO SUCCESS



Professional Industry-Driven Education (P.R.I.D.E) is MAHSA University's specially designed education pathway that give students the best of both academic and professional certifications. Students have the opportunity to gain professional skills through various programmes from MAHSA's collaborations with internationally recognised professional bodies. P.R.I.D.E increases the employability rate of our fresh graduates and puts them on par with the rest in the professional world.

MASTERCLASS

Students of this programme are eligible to gain add-on certification in Masterclasses. There are more than fifty Masterclasses to choose from, and all are designed to further enhance the student's employability, in line with the Industrial Revolution 4.0.

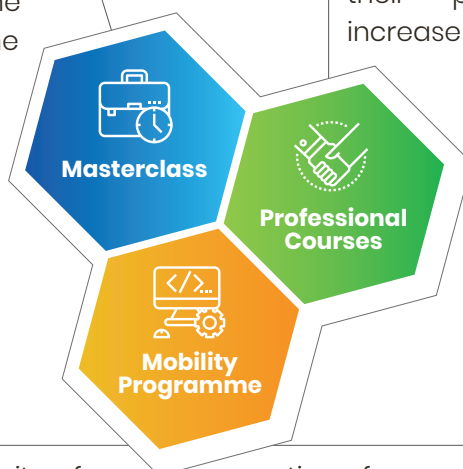
PROFESSIONAL COURSES

Through MAHSA's collaboration with internationally recognised professional bodies, students will earn certifications that will enhance their professional skills and increase their employability rate.

MOBILITY PROGRAMME

This is a unique opportunity for students to study abroad for up to one year. This programme lets students experience different cultures and

practices from around the world. Ask us about our university partners in over fifty different countries.



MAHSA

U N I V E R S I T Y

BE MORE



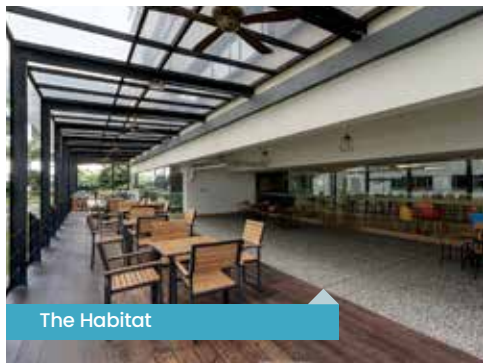
Anatomege



Residences



Biochemistry Lab



The Habitat



Library




Pathology and Cytology Lab


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