



**MAHSA**  
UNIVERSITY

# BACHELOR OF PHARMACY (HONS)

KPT/JPS (R/727/6/0081) (MQA/FA9327) 03 / 21

**FACULTY OF PHARMACY**

“

You can't go to the pharmacy to buy a pack of experience, you have to be in those games in order to acquire that experience.

- **Bob Hartley**

”

# OVERVIEW

PHARMACY is a major professional health-care discipline. It embodies the study of the design and manufacture of medicinal drugs and product testing, their supply, appropriate and rational use. Its foundation is in biological and chemical sciences.

Pharmacists are responsible for the safe dispensing of medicines prescribed by doctors. Their expertise in all aspects of medicine gives them a key role in healthcare sector, pharmaceutical industry and research institutions.

The 4-year programme exposes students to all aspects of pharmacy theory and practice, with the opportunities for specialization. The programme uses interactive teaching methods such as lectures, tutorials, seminars, workshops, clinical training and practical placements to enhance students' understanding and appreciation of the subjects. It also employs problem-based learning (PBL) to develop students' analytical and critical thinking. In pharmacy skills development (PSD), students develop their communication and counselling skills by having practice sessions with simulated patients in simulated settings.

## PROGRAMME STRUCTURE

### Year 1

- Basic Anatomy
- Physiology I
- Mathematics & Statistics for Pharmacy
- Pharmaceutical Chemistry I
- Scientific Basis of Therapeutics I - Introduction
- Communicative English for Pharmacy
- Pharmacoinformatics
- Islamic Studies
- Moral Studies

- Biochemistry
- Physiology II
- Pharmaceutical Chemistry II
- Scientific Basis of Therapeutics II - Peripheral Nervous System & Therapy
- Dosage Form Design I
- Pharmacy Practice I
- English
- Malaysian Studies

### Year 2

- Pharmaceutical Microbiology
- Pharmaceutical Immunology
- Scientific Basis of Therapeutics III
  - Central Nervous System & Therapy
- Scientific Basis of Therapeutics IV
  - Endocrine, Gastrointestinal System & Therapy
- Pharmacy Practice II
- Pharmaceutical Analysis I
- Medicinal Chemistry
- Dosage Form Design II - Solid

- Dosage Form Design III - Liquid & Semi-Solid
- Scientific Basis of Therapeutics V
  - Respiratory, Haematological System & Therapy
- Scientific Basis of Therapeutics VI
  - Antimicrobials & Antineoplastics
- Pharmacognosy
- Pharmaceutical Analysis II
- Evidence-based Pharmacotherapy
- Pharmacy Practice III
- Drugs in Sports

### Year 3

- Dosage Form Design IV - Sterile
- Clinical Pharmacy I
- Scientific Basis of Therapeutics VII
  - Cardiovascular, Renal System & Therapy
- Clinical Pharmacokinetics
- Biostatistics & Epidemiology
- Pharmacy Practice IV
- Radiopharmacy
- Veterinary Pharmacy

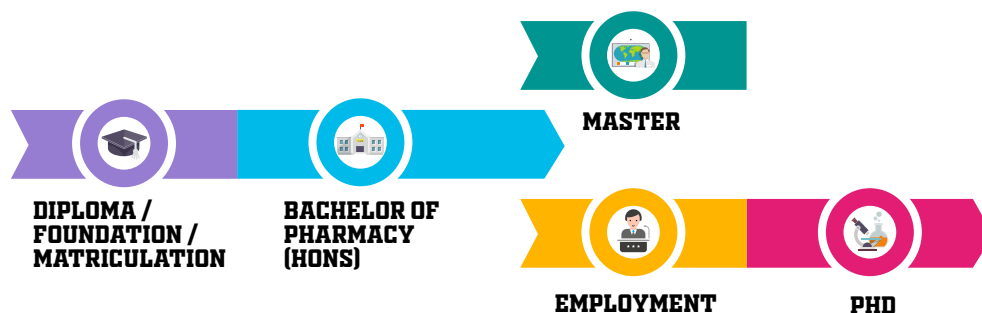
- Pharmacoeconomics & Drug Policy
- Clinical Pharmacy II
- Pharmacotoxicology
- Pharmaceutical Biotechnology
- Extemporaneous Preparations
- Community Pharmacy
- Drugs and Substances of Abuse
- Pharmacogenomics

### Year 4

- Research Methodology
- Pharmacy Ethics & Legislations
- Clinical Pharmacy III
- Complementary Medicines
- Hospital Pharmacy Services

- Industrial Pharmacy & Quality Assurance
- Research Project
- Pharmacy Management
- Industrial Pharmacy & Regulatory Control
- Clinical Pharmacy IV

# PROGRESSION PATHWAY



## ENTRY REQUIREMENTS

### ACADEMIC QUALIFICATION

### REQUIREMENTS

- STPM** ◆ Minimum CGPA 3.00 with grades BBB / ABC / AAC in 3 subjects (Biology & Chemistry & Physics / Mathematics) including B in Chemistry
- A Level** ◆ BBB / ABC / AAC in 3 subjects Biology & Chemistry & Physics / Mathematics) including B in Chemistry
- Foundation in Science (FIS) / Matriculation / Pre-Medic / Pre-Pharmacy (minimum 12 months)** ◆ Minimum CGPA 3.00 including B in Chemistry AND SPM: Pass with at least 5B's in Biology & Chemistry & Physics & Mathematics/Additional Mathematics and 1 other subject
- Diploma in Science (Chemistry / Biology / Physics)** ◆ Minimum CGPA 3.75 including B in Chemistry AND SPM: Pass with at least 5B's in Biology & Chemistry & Physics & Mathematics / Additional Mathematics and 1 other subject
- Diploma in Pharmacy** ◆ Minimum CGPA 3.50 AND SPM: Pass with at least 5B's in Biology & Chemistry & Physics & Mathematics / Additional Mathematics and 1 other subject
- First Degree in Sciences** ◆ Min. CGPA 2.75 (Min. Grade C-r)
- UEC** ◆ 5 credits with Grade 4B for Chemistry, Maths, Add Maths, Physics and Biology / any other technical subjects
- Additional Requirement** ◆ Malaysian Candidates: Pass SPM with grade C for Bahasa Malaysia and English
- English Requirement** ◆ MUET: Band 3 | TOEFL: 550 | IELTS: 6.0

## CAREER OPPORTUNITIES

Graduates will be able to work in public and private hospitals, clinics, community pharmacies, pharmaceutical and cosmetic companies. They can also find career opportunities in institutions of higher learning, nutraceutical sector or be employed by regulatory bodies as researchers, regulators, enforcement officers and forensic investigators.



# 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.

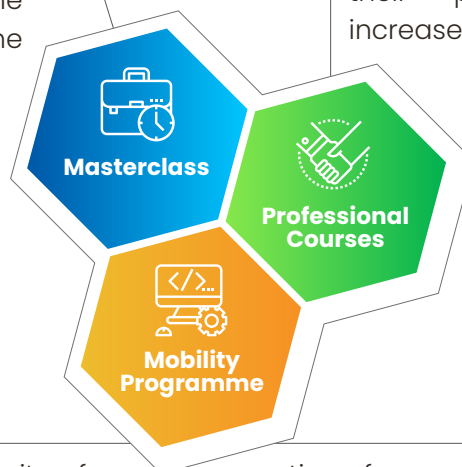
### PROFESSIONAL COURSES

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



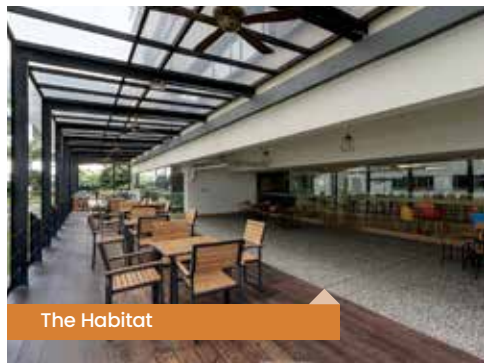
Skills Laboratory



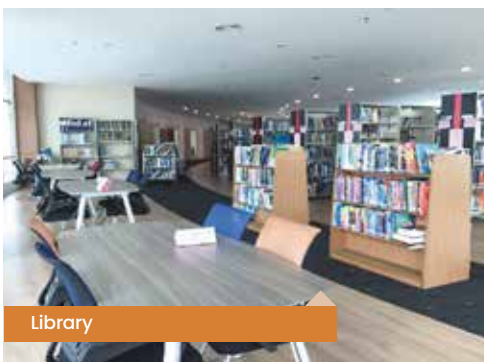
Residences



Simulation Ward



The Habitat



Library





Clinical Skills Centre


Contact us  
**1800 88 0300**

[www.mahsa.edu.my](http://www.mahsa.edu.my)

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