



**MAHSA**  
UNIVERSITY

# BACHELOR OF MEDICAL IMAGING (HONS)

KPT/JPS (R2/725/6/0076) (A11349) 08/27

**FACULTY OF HEALTH SCIENCES**

“

"But remember, any radiological procedure is only as effective as the person performing it."

- **Charles W. Pickering**  
American Judge

”



## OVERVIEW

Medical Imaging is a field of allied health sciences suited for people with an interest in the application of science and technology in healthcare environment.

The 4-Year Bachelor of Medical Imaging (Hons) programme is designed to develop competent medical imaging professionals with the clinical skills to operate advance imaging equipment such as computed tomography (CT), magnetic resonance imaging (MRI), etc. Students gain a sound understanding of anatomy, physiology, pathology, radiation physics and patient care. Graduates enjoy good career prospects in public and private hospitals or polyclinics.

Graduates generally work in hospital diagnostic imaging departments producing high quality images of the internal structure and workings of the body which are used to detect and monitor disease processes and the effects of trauma. The medical imaging professionals use highly sophisticated technical equipment such as CT Scan, MRI, Radionuclide Imaging and are closely involved in patient care. Other areas requiring imaging procedures include:

- Operating Theatres
- Accident and Emergency departments
- Cardiac Catheter laboratories
- Endoscopy units
- Mobile breast screening units

## PROGRAMME STRUCTURE

### Year 1

- Imaging Physics
- Patient Care in Professional Practice
- Anatomy, Physiology and Pathology I & II
- Instrumentation & Image Processing I & II
- English for Academic Purpose

- TITAS/ Malaysian Studies (U1)
- General Pathology
- Medical Imaging Procedures I
- Basic Pharmacology
- Hubungan Etnik/ Bahasa Melayu Komunikasi 2 (U1)
- English for Academic Writing

### Year 2

- Health Psychology
- Medical Imaging Procedures II
- Image Evaluation & Interpretation
- Instrumentation & Image Processing III

- Radiation Biology & Safety
- First Aid and Basic Life Support
- Clinical Placement Medical Imaging Procedures I, IIA & IIB
- Entrepreneurship (U2)

### Year 3

- Sectional Imaging Anatomy
- Medical Imaging Procedures III
- Computed Tomography
- Radiographic Pathology
- Biostatistics
- Mammography
- Comparative Religion (U3)

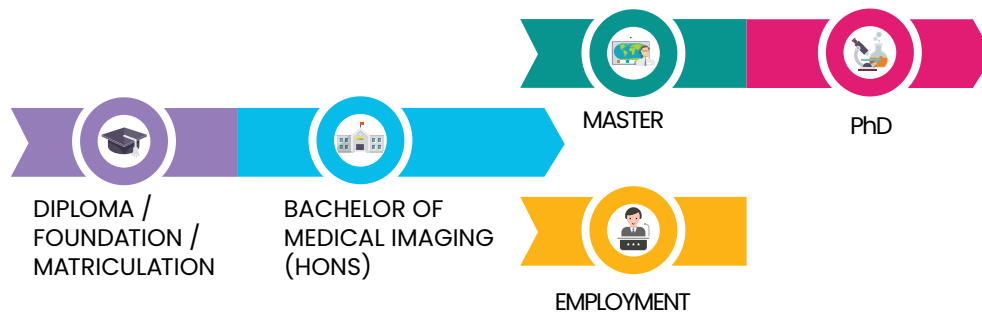
- Ultrasonography
- Digital Subtraction Angiography
- Healthcare Management
- Radionuclide Imaging
- Professionalism and Ethics
- Dental Radiography
- Research Methodology
- Community Work 2

### Year 4

- Comparative Medical Imaging
- Magnetic Resonance Imaging
- Research Project I

- Clinical Placement Medical Imaging Procedures III
- Research Project II
- Clinical Placement IV & V

# PROGRESSION PATHWAY



## ENTRY REQUIREMENTS

### ACADEMIC QUALIFICATION

### REQUIREMENTS

#### STPM / Matriculation / Pre-University

- ◆ Minimum GPA 2.33 in TWO of the following subjects:
  - Biology
  - Physics/Mathematics
  - Chemistry

#### A Level

- ◆ Minimum Grade D in TWO of the following subjects:
  - Biology
  - Physics/Mathematics
  - Chemistry

#### Diploma

- ◆ Minimum CGPA of 2.75 in related field

CGPA less than 2.75 in related field and a minimum of 3 years working experience in the related field

Other recognised qualification of equivalence

#### English Requirement

- ◆ MUET Band 3 / IELTS (5.5) / TOEFL (550)

#### English proficiency for international student

- ◆ TOEFL (550) / IELTS (5.5) or equivalent



## CAREER OPPORTUNITIES

Senior radiographers in government diagnostic imaging departments.

Radiographers in specialized modalities in private and government medical imaging departments.

Application specialists in medical imaging industries.

Academics in higher learning institutions.

Graduates can pursue Master's Degree in Medical Imaging, MBA and PhD.

# 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.

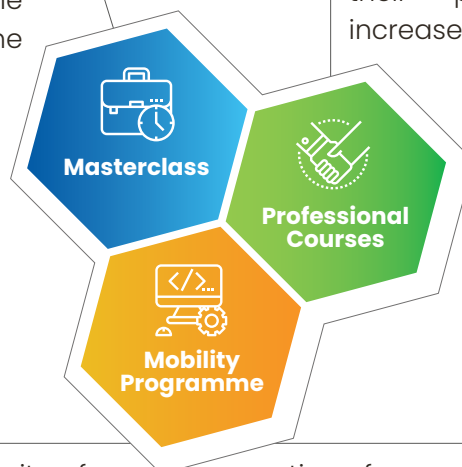
### PROFESSIONAL COURSES

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



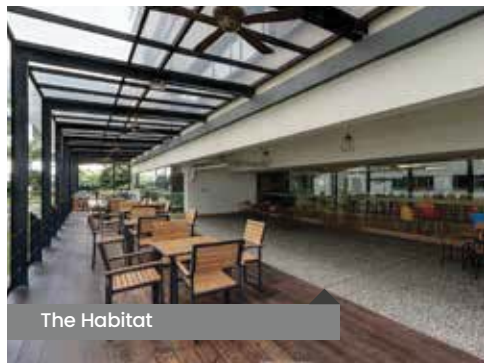
Skills Laboratory



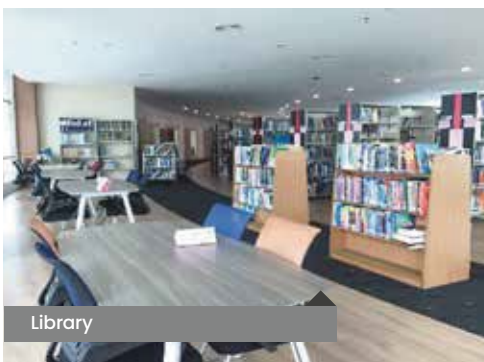
Residences



Simulation Ward



The Habitat



Library





Imaging Lab


Contact us  
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