MAHSA
UNIVERSITY
DU044(B)

BACHELOR OF
MEDICAL IMAGING (HONOURS)

Open Distance Learning
KPT/JPS (N-DL/725/6/0105) (MQA/PA11847) 01/28

FACULTY OF HEALTH SCIENCES

"Beyond Human Anatomy"

PROGRAMME OVERVIEW

Medical Imaging encompasses different imaging modalities and processes to image the human body for diagnostic and treatment purposes and therefore plays an important role in healthcare for all population groups. Medical imaging is also frequently being relied on for the follow-up of disease progression and treatment monitoring. This Bachelor of Medical Imaging (Hons) programme offered through Open & Distance Learning (ODL) is ideal for working adults and those who seek greater flexibility in their study.

Students will immerse themselves in the study of human anatomy and physiology, general pathology, radiation physics, medical radiation, x-ray techniques, clinical radiography, regional and sectional anatomy for medical imaging, digital vascular imaging, mammography, computed tomography, magnetic resonance imaging, ultrasound, imaging pathology, radiation safety and biology, radiation safety standards and procedures, radiographic practice, image interpretation, biostatistics, and professional practice.

The teaching methods include lecture and tutorial sessions on the e-learning platform. Self–instructional materials will be uploaded to the online forum prior to the lecture or tutorial sessions. Integrative teaching approaches through discussions and seminars will be held through this online platform. Lecturers will facilitate learning through the use of various teaching tools including case scenarios. Practical sessions will be conducted through face-to-face teaching where hands–on skills can be mastered. For diploma graduates, credit transfer is allowed with the mapping of their studied modules to the programme.

"Even with the COVID-19 pandemic, 85% of FOHS degree graduates are employed within the first 3 months in year 2020."

PROGRAMME STRUCTURE

YEAR 1
- Anatomy and Physiology 1
- Patient Care in Medical Imaging 1
- Imaging Physics
- Basic Pharmacology
- Instrumentation and Image Processing 1
- English for Academic Purpose
- TITAS/Pengajian Malaysia 3 (U1)
- Anatomy and Physiology 2
- Patient Care in Medical Imaging 2
- Radiation Protection and Radiobiology
- Instrumentation and Image Processing 2
- Skeletal Imaging Procedures
- Hubungan Etnik/Bahasa Melayu Komunikasi 2 (U1)
- English for Academic Writing

YEAR 2
- Behavioural Science
- Pathology
- Contrast Imaging Procedures
- Image Evaluation and Interpretation
- Medical Imaging Procedure Practical 1
- Medical Imaging Procedure Practical 2
- Digital Imaging
- Special Imaging Procedures
- Clinical Placement 1
- Clinical Placement 2
- Keusahawanan (U2)

YEAR 3
- Research Methodology
- Biostatistics
- Medical Informative
- Computed Tomography
- Advanced Imaging Procedures
- Clinical Placement 3
- Pembangunan Belia (U3)
- Healthcare Management
- Ultrasonography
- Angiography and Interventional Procedure
- Research Project 1
- Radionuclide Imaging
- Clinical Placement 4
- Keterlibatan Komuniti (U4)

YEAR 4
- Professionalism and Ethics
- Sectional Imaging Anatomy
- Magnetic Resonance Imaging
- Clinical Placement 5
- Contrast Media & Venipuncture
- Research Project 2
- Comparative Medical Imaging
- Radiographic Pathology
- Clinical Placement 6
- Clinical Placement 7

PROGRESSION PATHWAY

Bachelor of Medical Imaging (Hons) ODL — Work — Master's Degree — PhD

ENTRY REQUIREMENTS

- Obtained Malaysian University English Test (MUET) Band 3 or IELTS (5.5) / TOEFL (550)

  AND

- (a) Passed matriculation / Pre-University / Sijil Tinggi Persekolah Malaysia (STPM) programme or equivalent qualification with a minimum of GPA 2.33 in TWO of the following subjects:

  - Biology
  - Physics / Mathematics
  - Chemistry

  OR

- (b) A-Level programme or equivalent qualification with a minimum of Grade D in TWO of the following subjects:

  - Biology
  - Physics / Mathematics
  - Chemistry

  OR

- (c) A recognised Diploma with a minimum CGPA of 2.75 in a related field:

  OR

- (d) A recognised Diploma with a CGPA of less than 2.75 in a related field and a minimum of 3 years (36 months) working experience in the related field.

CLINICAL PLACEMENT

MoU with Government Hospitals
- Hospital Kuala Lumpur
- Hospital Kajang
- Hospital Sultanah Bahiyah
- Hospital Pulau Pinang
- Hospital Tengku Ampuan Afzan
- Hospital Tuanku Jaafar

Private Hospitals / Centres
- Columbia Asia Hospital
- Pantai Hospital
- Assunta Hospital
- Loh Guan Lye Hospital
- Lam Wah Ee Hospital
- Putra Medical Centre
- Kajang Plaza Medical Centre
- Sri Kota Medical Centre

CAREER OPPORTUNITIES

- Radiographers (Diagnostic)
- Radiographers (Image Quality)
- Radiographers (Therapeutic/ Interventional)
- Medical Application Specialists
- Sales Application Specialists
- Researchers (MSc, PhD)
- Clinical Instructors

FACILITIES

MAHSA is equipped with well-established laboratory to provide practical and skills training. The programme provides clinical placement at various hospitals and medical centres. This would enrich their observed learning experiences and as well prepare the graduates to adapt to their future workplaces.

TESTIMONIALS

"The friendly and conducive environment made learning effortless and the equipment within the campus enabled us to develop the skills and confidence required for the clinical part of the course. The lecturers were supportive throughout the duration of the course. Not to mention that I have made friends with other student from all over the world. Overall, studying the Bachelor of Medical Imaging programme at MAHSA University was exciting and rewarding."

"I am Bature Arafat, 25 years old from Nigeria. I had a really good time throughout the four years of my student life studying the Medical Imaging programme at MAHSA University. The lecturers are helpful and committed to their work. I am honoured to be among the first cohort of medical imaging graduates at MAHSA University. I am currently pursuing my post-graduate studies under healthcare management in the United Kingdom."

The Habitat

Library

Computer Lab

Imaging Simulation Lab

Anatomy Digital Lab

Operation Theatre

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