

BACHELOR IN MEDICAL IMAGING & RADIOTHERAPY (HONS)

KPT/JPS(R/725/6/0055) | (A9993) 09/19

This programme seeks to provide students with the skills to facilitate the operations and management of medical imaging devices such as Computed Tomography (X-rays), ultrasound and magnetic resonance imaging (MRI) machines to create diagnostic images for analysis and interpretation.

DURATION OF STUDY

4 years (8 semesters)

MODE OF STUDY

Full Time

INTAKE

January & June

CAREER PROSPECT

- Radiographer
- Radiation Therapist
- Scientific Officer
- Radiation Protection Officer
- Application Specialist
- Clinical Instructor

ENTRY REQUIREMENTS

- a. Pass Matriculation / Pre-University/STPM programme or equivalent qualification with minimum GPA 2.33 in TWO of the following subjects:
 - Biology
 - Physics/Mathematics
 - Chemistry
- b. A-Level programme or equivalent qualification with minimum Grade D in TWO of the following subjects:
 - Biology
 - Physics/Mathematics
 - Chemistry
- c. Recognised Diploma with minimum CGPA of 2.75 in related field; OR
- d. Recognised Diploma with CGPA below than 2.75 and a minimum working experience of 3 years (36 months) in related field AND
- e. Obtained MUET Band 3 or IELTS (5.5)/TOEFL (550) English proficiency for foreign students: Candidate should obtain IELTS (5.5)/TOEFL (550) paper-based or equivalent.



PROGRAMME STRUCTURE

YEAR 1

- General Physics
- Anatomy & Physiology I
- Behavioral Science
- Radiation Physics & Safety
- General Pharmacology
- Human Radiation Biology
- Professional Ethics and Patient Care
- Anatomy & Physiology II
- Basic Pathology
- Imaging Process
- Radiographic Instrumentation
- Radiotherapy Instrumentation
- Biostatistic
- Tamadun Islam dan Tamadun Asia

YEAR 2

- Systemic Pathology
- Radiographic Anatomy & Critique
- Radiographic Technique I
- Oncology I
- Radiotherapy Treatment Planning
- Sectional Anatomy
- Malaysia Government and Public Policy
- Computing & Medical Informatics
- Radiographic Technique II
- Oncology II
- Radiotherapy Technique I
- Specialized Radiographic Technique
- Computed Tomography
- Leadership And Development
- Interprofessional Learning/Complementary Medicine

YEAR 3

- Ultrasound
- Magnetic Resonance Imaging
- Brachytherapy
- Radiotherapy Technique II
- Medical Imaging Clinical Practice I
- Radiotherapy Clinical Practice I
- Amunited 2
- Research Methodology
- Radionuclide & Hybrid Imaging
- Medical Imaging Clinical Practice II
- Radiotherapy Clinical Practice II
- Introduction to Mandarin/Health Insurance

YEAR 4

- Comparative Imaging
- Comparative Radiotherapy
- Medical Imaging Clinical Practice III
- Radiotherapy Clinical Practice III
- Healthcare Management/Entrepreneurship
- Medical Imaging Clinical Practice IV
- Radiotherapy Clinical Practice IV
- Research Project