



BACHELOR OF MEDICAL IMAGING & RADIOTHERAPY (HONS)

R2/725/6/0055 | (A9993)

This programme encompasses two disciplines medical imaging and radiotherapy. Medical Imaging is the acquisition of images of the human body for the purpose of diagnosis using ionizing and non ionizing radiation radiography, Computed tomography and magnetic resonance imaging. Radiotherapy is the medical use of ionizing radiation as part of cancer treatment to control or kill malignant cells.

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
- Falsafah dan Isu Semasa (FIS)
- Penghayatan Etika dan Peradaban (PEP)

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

DURATION OF STUDY

4 years (8 semesters)

MODE OF STUDY

Full Time

CAREER PROSPECT

- Radiographer
- Radiation Therapist
- Scientific Officer
- Radiation Protection Officer
- Application Specialist
- Academician

ENTRY REQUIREMENTS

a. Pass Matriculation/Foundation/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) or equivalent.