

Master of Medical Physics (MMedPhysics)

Programme Overview

(A) Programme by Coursework

Technological advances and developments in medicine, particularly in radiology, oncology (radiotherapy) and nuclear medicine, have created a demand for qualified medical physicists to manage and monitor the medical usage of radiation in all its forms. In 1998 the University of Malaya launched the Master of Medical Physics programme to meet this growing need.

This programme is accredited by the Institute of Physics and Engineering in Medicine (IPEM), United Kingdom, beginning 2002. At present, the University of Malaya programme is the only one outside the British Isles (United Kingdom and Ireland) to receive such recognition.

Entry Requirements

(1) Entry qualifications

- (a) A Bachelor's degree with Honours or equivalent in physical sciences; or
- (b) A Bachelor's degree with Honours or equivalent in a programme of study consisting of courses in physical sciences; or
- (c) A Bachelor's degree or equivalent in physical sciences and at least three years working experience in the relevant field; or
- (d) An equivalent qualification approved by the Senate from time to time.

(2) Other requirement

Satisfies the Department responsible for the candidate's programme of study in an Entrance Evaluation recognised by the Faculty.

English Language Requirement:

Foreign candidates are required to:

Have at least IELTS Band 6 or TOEFL 550 if their first degree is from a university where English is not the medium of instruction.

Or

Pass an English proficiency test approved by the University.

Structure of Programme

- (1) The Master of Medical Physics programme by coursework comprises of forty (40) credit hours namely:
 - (a) four (4) core courses, each of four (4) credit hours, totalling sixteen (16) credit hours;
 - (b) a core course of two credit hours;
 - (c) two (2) core courses, each of five (5) credit hours, totalling ten (10) credit hours; and
 - (d) a medical physics research project of twelve (12) credit hours.
- (2) Details of the courses offered are as approved by Senate from time to time on the recommendation of the Faculty and candidates shall be informed of such details at the beginning of each session.
- (3) The lists of courses for the programme of Master of Medical Physics are provided in List 1.

List 1: Core Courses

Code	Title	Credit Hours
MQGQ6101	Anatomy and Physiology	4
MQGQ6112	Biostatistics	2
MQGQ6113	Computing and Medical Informatics	4
MQGQ6114	Applied Radiation Physics and Dosimetry	4
MQGQ6115	Radiobiology and Radiation Protection	4
MQGQ6116	Medical Imaging and Nuclear Medicine	5
MQGQ6117	Radiotherapy Physics	5
MQGQ6189	Medical Physics Project	12

(B) Programme by Dissertation

The Master of Medical Physics is a programme by dissertation in which the research component comprises one hundred (100) percent of the programme of study.

Entry Requirements

- (1) Entry qualifications
 - (a) A Bachelor's degree with Honours or equivalent in physical sciences; or
 - (b) A Bachelor's degree with Honours or equivalent in a programme of study consisting of a significant courses in physical sciences; or
 - (c) A Bachelor's degree in physical sciences and -
 - (i) at least three years working experience in the relevant field; or
 - (ii) evidence of publication in a related discipline; or
 - (d) Other qualification approved by the Senate from time to time.
- (2) Other requirement

Satisfies the Department responsible for the candidate's programme of study in an Entrance Evaluation recognised by the Faculty.

English Language Requirement:

Foreign candidates are required to:

Have at least IELTS Band 6 or TOEFL 550 if their first degree is from a university where English is not the medium of instruction.

Or

Pass an English proficiency test approved by the University.

Structure of Programme

- (1) This programme is a research programme leading to the submission of a dissertation and the format is as provided in the University of Malaya (Master's Degree) Rules 2010 and University of Malaya (Master's Degree) Regulations 2010.
- (2) Where the Faculty deems it necessary a candidate may be required to follow or follow and pass such course or course(s) as determined by the Faculty.

Contact Information

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