

Admission Requirements

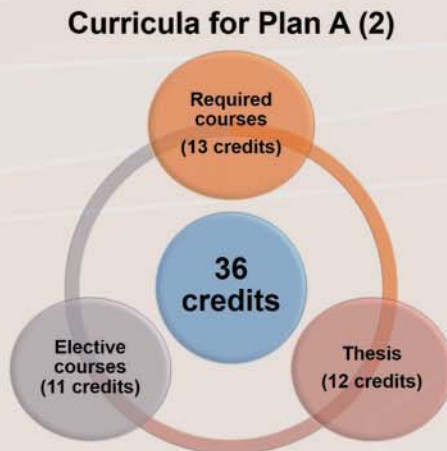
1. An applicant must hold a bachelor's or equivalent degree in Radiological Technology or in related fields.
2. An applicant must have a cumulative GPA of at least 2.75.
3. Exception to the above requirements may be made by the program committee and the dean of Faculty of Graduate Studies.

Registration

1. A student must be enrolled full time.
2. Course enrollment for each regular semester must be a minimum of 9 credits and up to a maximum of 15 credits depending on recommendation of advisor.

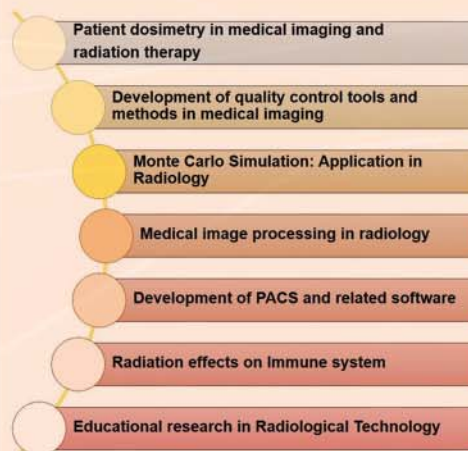
Curriculum: Plan A (2)

Completion of the Master of Science in Radiological Technology program requires a minimum of 36 credits.



Research projects

The Master of Science in Radiological Technology program offers a wide range of research directions for students who are enrolled in the program.



Required Courses

Credits (Lecture-Lab-Self-study)

MTRD602	Physics of Medical Imaging	3 (3-0-6)
MTRD605	Advanced Radiation Physics and Dosimetry	2 (2-0-4)
MTRD606	Mathematics for Radiological Technology	2 (2-0-4)
MTRD607	Computer for Radiological Technology	2 (1-2-3)
MTID605	Research Methodology	3 (2-2-5)
MTRD618	Seminar in Radiology	1 (1-0-2)

Elective Courses

Credits (Lecture-Lab-Self-study)

MTRD601	Quality Assurance in Diagnostic Imaging	3 (2-2-5)
MTRD603	Magnetic Resonance Imaging (MRI)	3 (3-0-6)
MTRD604	X-ray Computed Tomography (CT)	3 (3-0-6)
MTRD608	Applied X-ray Computed Tomography	3 (2-2-5)
MTRD609	Applied Magnetic Resonance Imaging	3 (2-2-5)
MTRD610	Physics in Nuclear Medicine	3 (2-2-5)
MTRD611	Image Reconstruction and Processing in Nuclear Medicine	3 (2-2-5)
MTRD612	Monte Carlo Simulation in Nuclear Medicine	3 (1-4-4)
MTRD613	Medical Health Physics	3 (2-2-5)
MTRD614	Radiobiology and Radiation Protection	3 (3-0-6)
MTRD624	Computer and Data Networks for Radiological Technology	3 (2-2-5)
MTRD625	Computer System and PACS Administration for Radiological Technology	3 (2-2-5)
MTRD621	Nuclear Oncology	3 (1-4-4)
MTRD623	Selected Topics in Radiological Technology	2 (2-0-4)
SCID516	Biostatistics	3 (3-0-6)

Thesis

Credits (Lecture-Lab-Self-study)

MTRD698	Research M.Sc. Thesis	12 (0-36-0)
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Tuition & Fee

Item	Cost (THB)
Education services fee	5,300 /1 st Semester
	4,600 /2 nd Semester
Health insurance (Additional fee for non-Thai students)	1,300 /year
Graduate tuition	9,000 /credit
Thesis registration fee	8,400 /credit
Research supplies fee	150,000



Graduation Requirements

1. Students must be enrolled a minimum of 24 credits of coursework and 12 credits of thesis (a total of ≥ 36 credits for the entire program), and have a minimum GPA of 3.00.
2. Students must pass the English Proficiency Examination offered by the Faculty of Graduate studies, Mahidol University, or other qualified institutes, or have a TOEFL score of at least 173/500.
3. Students must complete the thesis research and pass oral thesis defense required for graduation according to regulations of Faculty of Graduate Studies, Mahidol University.
4. Students must published at least one research article in standard journal or proceeding.

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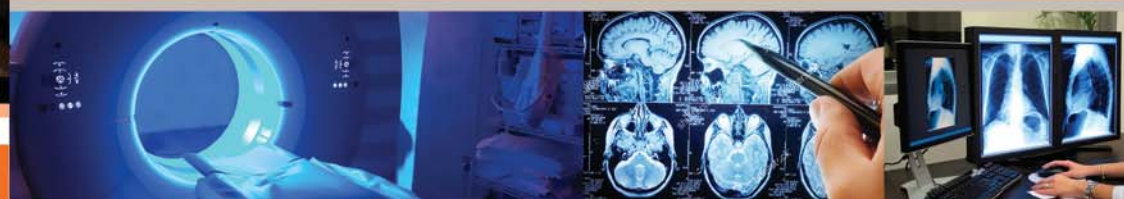
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Mahidol University (MUMT)

Faculty of Medical Technology
Mahidol University



Master of Science in Radiological Technology

(International Program)



The Master of Science in Radiological Technology program is designed for radiological technologists and scientists in related fields who are interested in advancing their knowledge and skills in the field of radiological technology.

Graduates who successfully complete the program are expected to be able to perform basic or applied research, develop higher levels of skills that will advance their career, and become leaders in the field of radiologic sciences.