

Master of Science Programme in Radiological Technology (International Programme)**Faculty of Medical Technology****Admission Requirements**

1. Students must hold a Bachelor's degree in Radiological Technology or Bachelor's degree in related field or equivalent;
2. have a grade point average of at least 2.75;
3. have a TOEFL ITP score of at least 480, TOEFL Internet-based score of 54 or IELTS score of 5 or MU GRAD TEST score of 60.

Exemptions from the above requirements may be granted by the Programme Committee and the Dean of Faculty of Graduate Studies.

Curriculum Structure

	Credit
with specified plan A (2) curriculum.	
Required Courses	13
Elective Courses not less than	11
Thesis	12

	Credit
Required Courses	
MTRD 602 Physics of Medical Imaging	3(3-0-6)
MTRD 605 Advanced Radiation Physics and Dosimetry	2(2-0-4)
MTRD 606 Mathematics for Radiological Technology	2(2-0-4)
MTRD 607 Computer for Radiological Technology	2(1-2-3)
MTRD 618 Seminar in Radiology	1(1-0-2)
MTID 605 Research Methodology	3(2-2-5)
Elective Courses	
SCID 516 Biostatistics	3(3-0-6)
MTRD 604 X-ray Computed Tomography	3(3-0-6)
MTRD 608 Applied X-ray Computed Tomography	3(2-2-5)
MTRD 603 Magnetic Resonance Imaging (MRI)	3(3-0-6)
MTRD 609 Applied Magnetic Resonance Imaging	3(2-2-5)
MTRD 610 Physics in Nuclear Medicine	3(2-2-5)
MTRD 611 Image Reconstruction and Processing in Nuclear Medicine	3(2-2-5)

MTRD 612 Monte Carlo Simulation in Nuclear Medicine	3(1-4-4)
MTRD 613 Medical Health Physics	3(2-2-5)
MTRD 614 Radiobiology and Radiation Protection	3(3-0-6)
MTRD 624 Computer and Data Networks for Radiological Technology	3(2-2-5)
MTRD 625 Computer System and PACS Administration for Radiological Technology	3(2-2-5)
MTRD 601 Quality Assurance in Diagnostic Imaging	3(2-2-5)
MTRD 621 Nuclear Oncology	3(1-4-4)
MTRD 623 Selected Topics in Radiological Technology	2(2-0-4)
Thesis	
MTRD 698 Thesis	12(0-36-0)
* These May Change in Cases Where There are Suggestions for The Improvement of The Curriculum	

Additional advantages of the programme

The program aims to advance the knowledge and skills in clinical radiological technology, medical image processing and computer programming related to medical imaging.

Details of Scholarship

1. Scholarship of the 60th Year Supreme Reign of His Majesty King Bhumibol Adulyadej .

Additional information for applicants

Students may customize their area of specialties and research interests according to their specific needs.

Proposal / Concept

Applicants should submit a one-page A4 explaining their area of research interests, tentative plan of study.

Application Process

Application is only available via online application at www.grad.mahidol.ac.th

Required Documents

Prepare the following required documents to submit via online admission system or post:

1. Completed an Online Application at www.grad.mahidol.ac.th which comprised with
 - Form A** : Application Form
 - Form B** : Background and Proposed Field of Study
 - Form C** : Recommendation Forms (directly submitted by at least 2 referees)
2. Two copies of Degree Certificate (with officially certified English translation)
3. Two copies of Academic Transcript (with officially certified English translation)
4. Two copies of Recent Photos (Passport size)
5. Two copies of Passport
6. Two copies of English certificate (TOEFL/ IELTS/ MU-Grad Test)
 - (For Doctoral Program)**
 - TOEFL ITP score of at least 500, TOEFL Internet-based score of 61, or IELTS score of 5
 - (For Master's Program)**
 - TOEFL ITP score of at least 480, TOEFL Internet-based score of 54, IELTS score of 5 or MU GRAD TEST score of 60.

Notes

- Only accept TOEFL ITP score from examination center arranged by Faculty of Graduate Studies, Mahidol University.

- TOEFL ITP taken from other domestic and overseas institutes are invalid.
 - The test date must be within previous 2 years before application date
 - Applicant who obtained a valid English score must submit an **official score certificate** along with your application. Otherwise, your English score will not be considered.
 - Detail of English Competency Standard for Admission:
<http://www.grad.mahidol.ac.th/en/current-students/language-center.php>
7. Two copies of Curriculum Vitae
 8. Two copies of Statement of Purposes and Career Goals
 9. Two copies of Current bank statement / Scholarship letter (if any)
 10. Two copies of Concept paper / research proposal (recommended for all applicants)
 11. Two copies of additional documents may be requested by each program (such as letter of work experience / professional license/ related certificates and awards)

Submitting documents via online admission system.

- All documents must be in pdf format (maximum size 2 MB)
- Recent photograph must be in jpeg format only (maximum size 2 MB)

Job option after graduation

1. Researchers in Radiological Technology
2. Specialists in Radiological Technology
3. Continuing Study in Ph.D. Programs

Further information may be obtained from the Director of Graduate Studies, Radiological Technology :

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2. **Assoc. Prof. Chiraporn Tocharoenchai** (E-mail : chiraporn.toc@mahidol.ac.th)
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Program Coordinator

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Note 1. For more education information : www.grad.mahidol.ac.th

For more information please contact The Student Admission Section.
Tel . 0 2441 4125 ext. 208-210, 0 2441 9129, E-mail : gradinter@mahidol.ac.th