

Name of degree: Bachelor of Science (Radiological Technology) or B.Sc.(RT)

Program objectives:

- 1) Integrating theoretical and practical knowledge in medical radiation science and technology including radiation physics and instrumentation, radiation protection and safety, and digital image processing to conduct clinical practices.
- 2) Performing clinical practices in diagnostic radiology, nuclear medicine, and radiation therapy according to national competencies and international standards in radiological technology including ASMIRT and EANM competencies.
- 3) Work in clinical practices with good communication, multidisciplinary team work skills, responsibility for self and group works, and professional ethics.
- 4) Possess critical thinking, problem solving, information technology skill, interpersonal skill, and leadership.



Admission Requirements and Criteria

All applicants must hold grade 12 certificates or equivalence certificate issued by the Ministry of Education in Science program. Please visit <https://tcas.mahidol.ac.th/> for the information of the number of students offered and criteria for admission.

Selection Method: The selected applicants must pass all examinations i.e. paper, interview and physical examination.

Academic System: Credit system with two semesters in an academic year.

Duration of Study: Period of study is 4 years for B.Sc. (Radiological Technology).

Registration: Students must register as full-time students.

Graduation Requirements

- Complete all study requirements by not less than 3 academic years or 6 semesters and not more than 8 academic years or 16 semesters.
- Study all required courses according to curriculum structure including general education, basic and professional education and free elective courses for altogether not less than 145 credits with the cumulative grade point average of not less than 2.00.
- Students need to pass an English Exam according to the MU regulations.

Curriculum Structure

Total Credits Required	145 credits
I. General Education Courses	30 credits
II. Common Core Courses	33 credits
III. Professional Core Courses	32 credits
IV. Professional Specialized Courses	32 credits
V. Clinical Practice	15 credits
VI. Professional Elective Courses	3 credits



Collaboration with other institutes/organizations

The Faculty collaborates with academic and professional institutes within and outside Mahidol University from both government and private sectors. These collaborations cover research, guest/special lecturers, instructors for class teaching, radiological technology practice and apprenticeship.

Career Opportunities

Graduates from the B.Sc.(RT) program are required to pass the professional license examination in order to work legally in a radiological section of government and private hospitals. Furthermore, graduates can work in many areas of researcher, instructor, professor in research/education institutes and application specialist in reagent supplier companies.

Graduates can be admitted to almost all Master and Doctoral Degree programs in Radiological Technology, Radiation Oncology, Nuclear Medicine, Medical Physics, Nuclear Technology, Biomedical Engineering, Radiological Science, Information Science, etc.

Job Opportunities



For more information, please contact:

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Mahidol University
Faculty of Medical Technology

Bachelor of Science Program in Radiological Technology



Bachelor of Science Program in Radiological Technology

Aims to produce professional radiological technologists who are able to integrate radiological sciences' knowledge and skills to competently perform clinical practices in diagnostic radiology, nuclear medicine, and radiation therapy with integrity and professional ethics.

Strong in Practice, Smart in Profession