

Bachelor of Science Programme in Medical Technology and B.Sc.+M.Sc/Ph.D. distinction Programmes in Medical Technology

The Bachelor of Science Programme in Medical Technology aims to educate and train graduates for high quality medical technologists with good attitude and professional ethics in order to work in clinical laboratory efficiently and also work in a health team to improve quality of life of people and community. To achieve this goal, our programme has revolutionized the academic curriculum and learning process by utilizing competency-based learning, community-based learning and integration modules to improve the quality and standard of education and to serve an important goal of preparing well-rounded medical technologists.

The B.Sc.+M.Sc/Ph.D. distinction Programme offers exceptionally talented undergraduate student the opportunity to study and earn their **combined bachelor and master degree** or **combined bachelor and doctoral degree in medical technology** in a shorter period of time. The programme has unique aspect of the curriculum designed to focus on research. The distinction programme students can select to enroll the graduate courses study and start to undertake research training tailored to their research interests during their 3rd year undergraduate study thus acquiring the knowledge, skills, and experience to begin the research work and pursue their research project for graduate study.

Objectives of the Programmes

After completion, the graduates of B.Sc. Programme will be able to

1. perform the clinical laboratory tests in the field of Medical Technology for supporting clinical diagnosis, treatment, prevention and control of diseases,
2. imply knowledge and skill in Medical Technology for career study in medical technology and related sciences,
3. apply knowledge and techniques in medical technology to science-technology and research works,
4. organize and manage a clinical laboratory work efficiently and also effectively collaborate and communicate other related units,
5. be a medical technologist with high moral and professional ethics.

Besides the above objectives, the graduates of B.Sc.+M.Sc/Ph.D. distinction Programme will be able to be effective researchers for innovative research in the broad areas of medical and biological sciences.

Programme details

Name of Degrees:

- Bachelor of Science (Medical Technology)
- Bachelor of Science (Medical Technology) and Master of Science/ Doctor of Philosophy (Medical Technology)

Admission Requirements: All application must hold grade 12 certificates or equivalence certificate issued by the Ministry of Education in Science Programme.

Selection Method: The selected applicants must pass all examination i.e. paper, interview and physical examination. Color-blindness is prohibited. For the B.Sc.+M.Sc/Ph.D. distinction programmes in Medical Technology, the cumulative grade point average on 2-year undergraduate study must be ≥ 3.25 .

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

Duration of Study: Periods of study are 4 years for B.Sc. program and 5–6 years for B.Sc.+M.Sc/Ph.D. distinction programmes.

Registration: Students must register as full-time students.

Graduation Requirements:

- Complete all study requirements by not less than 4 academic years (8 semesters) and not more than 8 academic years (16 semesters).
- Study all courses required according to curriculum structure i.e. general education, basic and professional education and free elective courses.
- Complete 145 credits for B.Sc programme with the cumulative grade point average of ≥ 2.00
- Complete 147 credits for B.Sc.+M.Sc/Ph.D. distinction programmes with the cumulative grade point average of ≥ 3.50 .

Programme Curriculum: The number of credits required is 145 credits for the B.Sc. programme and 147 credits for B.Sc.+M.Sc/ Ph.D. distinction Programme

(I) General Education Courses	30	credits
(II) Required Courses* (including MT plus)	109	credits
(distinction Programme in Medical Technology	111	credits
(III) Free Elective Courses	6	credits

* MT plus has organized to fulfill student ability according to students interest. Courses are classified into 4 major groups namely, Higher education and Research, Community Health and Health Promotion, Business and Management for Medical Technology, and Professionalship.

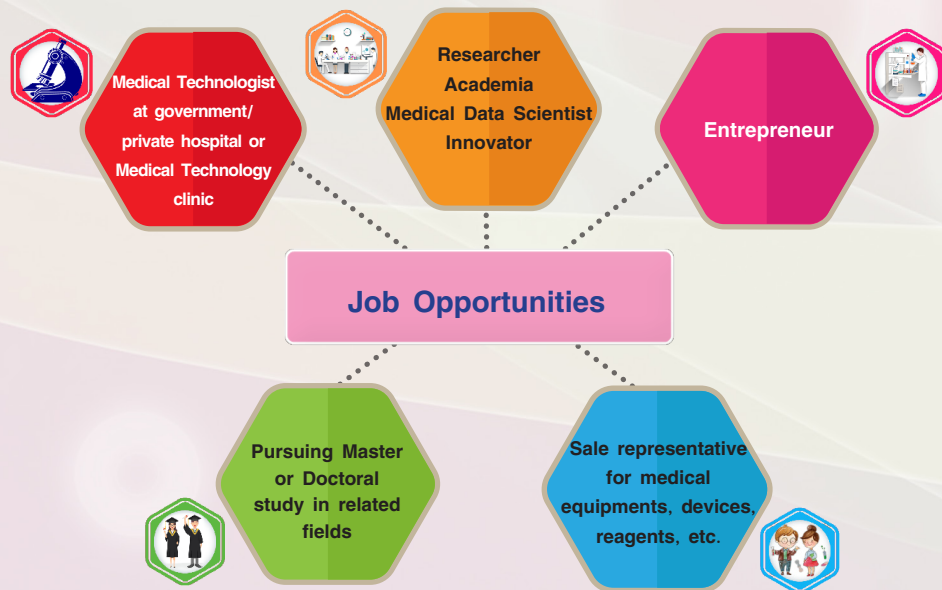
Collaboration with other institutes/organizations

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; and instructors for class teaching, laboratory practice and apprenticeship.

Job Opportunities

Graduates from the B.Sc. Programme are required to pass the professional license examination in order to work legally in a clinical laboratory of government and private hospitals. Furthermore, graduates can work in many area of research laboratories, health promotion team for a community, laboratory instrument and reagent supplier company.

These graduates can be admitted to almost all Master and Doctoral Degree Programmes in Medical Science, Sciences and Technology, Environmental Sciences, etc. Graduates from B.Sc.+M.Sc/Ph.D. distinction programme, besides working as previously mentions, they can be researchers in both of government and private sectors.



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Mahidol University
Faculty of Medical Technology

Bachelor of Science Programme in Medical Technology

B.Sc.+M.Sc/Ph.D. distinction Programmes in Medical Technology



Smart in Lab, Strong in Community