

2. Requirements for completion and course registration

Requirements for completion

An academic degree (Doctor of Philosophy in Medical Sciences) will be jointly conferred by Science Tokyo and MU on students who have satisfied the following conditions in 4 years or more (8 years maximum). One credit is equivalent to 45 hours of study in both universities.

*Tokyo Medical and Dental University (TMDU) and Tokyo Institute of Technology (Tokyo Tech) were integrated and became “Institute of Science Tokyo” (Science Tokyo) as of October 1, 2024.

- (1) The required number of credits prescribed by both Japanese law and by Science Tokyo and by Thai law and by MU must be satisfied to complete this Program.
- (2) The student shall be enrolled for 4 or more years, during which time he/she shall acquire 72 or more credits for the course, receive necessary research guidance, submit a dissertation and pass the dissertation defense and final examination.
- (3) Dissertation articles or a part thereof shall already have been published in, or have been accepted for application by, a peer-reviewed international academic journal by January of the final year.
- (4) Retroactive degree applications are not acceptable.

Acquisition of Credits

A total of 72 credits shall be required for completion of the Program.

- (1) Lecture courses; “Clinical Statistics and Biomedical Informatics”, “Cancer Professional Training” normally requires 15 teaching hours are equal to 1 credit.
- (2) Practicum courses; “Clinical Core Courses”, “Research Core Courses” that provides at least 30 hours of clinical practice or experimentation per semester are equal to 1 credit.
- (3) Internships or practical experiment; “Directed Research and Thesis Writing” that provides no less than 45 hours of training in a regular semester are equal to 1 credit.

Course requirements

Students must acquire 72 credits from among the following subjects:

- (1) Clinical Core subjects—compulsory: 2 credits either of Clinical Core Subject I (Science Tokyo), or Clinical Core Subject I (MU).
- (2) Clinical Core subjects—compulsory: 5 credit of Clinical Core Subject II.
- (3) Clinical Statistics and Biomedical informatics (Each subject 2 credits) —elective:
4 credits from among the following five subjects;
Overview of Public Health Medicine in Disease Prevention, Epidemiology,
Clinical Biostatistics and Statistical Genetics, Research methodology in Biomedicine,
Biostatistics in Biomedicine.
- (4) Cancer Professional Training Subjects (Each subject 1 credit) —elective:
2 or more credits at Science Tokyo and 2 more credits at MU.
- (5) Research core subjects (Each subject 1 credit) —elective:
Surgery: 4-8 credits
Biomedical sciences related to Surgery: 0-4 credits
- (6) Experiments and Thesis Writing—compulsory:
24 credits at Science Tokyo and 24 credits at MU.
- (7) In addition to at least the 72 credits mentioned above (24 credits of subjects established by Science Tokyo, and 48 credits of subjects established by MU), all students must receive necessary research guidance, submit a dissertation and pass a dissertation defense. The dissertation should be published in a refereed international academic journal prior to the dissertation defense.

Assessment

Academic records at Science Tokyo and MU will be recorded and converted according to the following table.

Grade Conversion

Institute of Science Tokyo			Mahidol University			Standards for Specific Behavioral Objectives (SBOs)
GP	Assessment		GP	Assessment		
4.0	A+	Superior	4.0	A	Excellent	All SBOs were achieved beyond expectation.
			3.5	B+	Very Good	
3.5	A	Excellent	3.0	B	Good	All SBOs were achieved.
3.0	B	Good	2.5	C+	Fairly Good	Most SBOs were achieved.
2.0	C	Fair	2.0	C	Fair	The minimum SBOs necessary were achieved.
1.0	D	Failing	1.5	D+	Poor	The minimum SBOs necessary were not achieved.
			1.0	D	Very Poor	
0.0	F		0	F	Failing	Unable to evaluate based on insufficient SBOs.