

International Exchange

The University of Tsukuba aims to cultivate human resources with a global view by promoting international exchange to improve academic standards. In order to accomplish this goal, we have established agreements with overseas universities and the United Nations University Institute of Advanced Studies and offer a variety of activities such as delegating students and faculties abroad, a credit transfer system and accepting faculties from abroad. In the Medical Branch including the Master's Program in Medical Sciences, education and research exchanges are enhanced ties with University of Edinburgh in England, University of Bordeaux in France, University of Bonn in Germany, National Taiwan University in Taiwan, Vietnam National University, Ho Chi Minh City in Vietnam, and Indonesian Consortium of Biomedical Sciences "KIBI" in Indonesia.



Scholarship

Each year, the Japanese Ministry of Education, Culture, Sports, Science and Technology (Monbukagakusho) offers scholarships to international students, providing thousands with the opportunity to live and study in Japan. The Japanese Government (Monbukagakusho) scholarships can be applied for in three different ways; however, the vast majority of them are applied through the Japanese embassies or consulates general in the applicants' home countries.

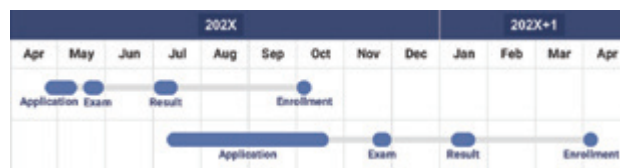
Admission Examination

The following groups of applicants will be considered for these programs.

(1) Graduates of university (4-year course) and soon-to-be graduates (bachelor) in that year. (2) Individuals who have finished a total of 16 years of school education in foreign countries and meet the requirement of a bachelor degree. (3) Individuals who are approved and deemed to have the same level of knowledge and learning ability with a bachelor degree by the Ministry of Education, Science and Culture. Applicants have to pass paper and oral examinations given by a faculty member in the master course. Submission of school score records to the university is required. Applicants must also satisfy an adequate knowledge of English or Japanese capabilities, by which they can pursue academic and/or professional backgrounds appropriate for specialization in that field.

Type of Entrance Examination

- Special Selection of International Applicants & Japanese National Living Abroad
- Application for Japanese Government (MEXT) Scholarship Program
- General Selection Process and Special Selection Process for Working Individuals



Please check our website for the latest information.

<https://www.md.tsukuba.ac.jp/gradmed/en/exam/>



MASTER'S PROGRAM in MEDICAL SCIENCES

GRADUATE SCHOOL OF COMPREHENSIVE
HUMAN SCIENCES, UNIVERSITY OF TSUKUBA



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OUTLINE OF THE PROGRAM



The Master's Program in Medical Sciences is an interdisciplinary field that integrates a broad range of disciplines, including basic and clinical medicine, medical physics, translational research, and regulatory science. The program comprises four specialized tracks: Medical Science, Medical Physics, Translational and Regulatory Science, and Infectious Disease Control for Health Security. Built on a comprehensive foundation in medical science, the program provides practical and broad-based education and research aligned with societal needs. Its goal is to cultivate researchers, university faculty members, and highly skilled professionals who contribute to the realization and sustainability of a safe and healthy society.

Medical Science

This discipline was established to provide opportunities for students who had received undergraduate education other than in medicine to obtain knowledge of medicine and medical sciences, and to develop the skills necessary for its application. Graduates of this program are expected to contribute to the progress of research in the fields of basic medical sciences and clinical medicine.

Medical Physics

There are two main goals in this discipline: (1) Training of the professional medical staffs capable of supporting cancer therapy from the view of both medical diagnosis and treatment, (2) Training of the research staffs capable of researching and developing medical physics frontier. We train medical physicists, quality control specialists in medicine, and specialists developing medical equipment and technologies.

Critical Path Research / Regulatory Science

This discipline fosters students to work in the research and development of new pharmaceuticals or medical equipment as technicians, clinical research coordinators, or administrators.

Infectious Disease Control for Health Security

In recent years, infectious diseases have emerged one after another, intensifying the global threat. As challenges, including the development of therapeutics and vaccines, pathogen surveillance, and information dissemination, become increasingly complex, there is an urgent need to cultivate professionals capable of implementing interdisciplinary solutions in society. This discipline, established through a collaboration between the University of Tsukuba and National Research Institutes related to infectious diseases, offers a cross-disciplinary field spanning basic medicine, clinical medicine, and social medicine/public health to foster highly specialized experts in infectious disease control for health security.

Curriculum

The basic goal of the Master's Program in Medical Sciences is to impart a broad view of and basic knowledge about these four interdisciplinary fields. We emphasize that students themselves learn basic research capabilities and practical applied skills through our problem-oriented and problem-solving type of education. We hope that students not only learn in the classroom, but also clarify the problems in their specialized area and gain the ability to solve them on their own through their master's thesis research and internships.

Requirements for Graduation

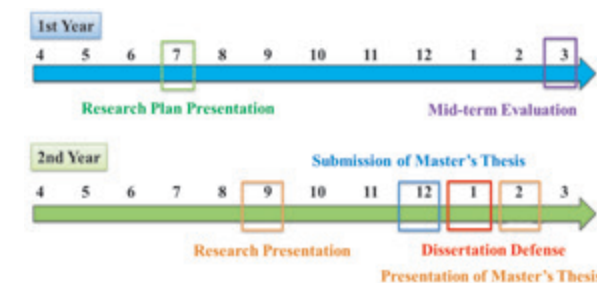
- You must earn 30 or more credits.
- You must submit the master's thesis and pass the final exam.



Diverse Curriculum

- Common Subjects
 - General Foundation Subjects
 - Foundation Subjects
 - Foundation Subjects for Major
 - Major Subjects
- Of the 30 credits, 2 courses and 9 credits are required subjects
- Internship I (1 credit)
 - Dissertation in Medical Sciences (8 credits)

Flow Chart for Completion of Master's Thesis



This is the standard schedule for students entering in April; for students entering in October, the schedule is shifted back six months.