Graduate School of Management
Department of Management of Technology (MOT)

Diploma Policy

The Management of Technology program (professional degree course) provides education that is a practical fusion of science technology (an integration of science and engineering) and management. The program aims to cultivate global perspectives and high professional and ethical standards. The goal is to foster highly specialized professionals with a high level of practical expertise, ethics and international perspectives who will become entrepreneurs and CXOs* capable of responding quickly and innovatively to rapid changes in society (industry, etc.) and leading society. Students enrolled in this program for two years or more have the following knowledge (wisdom) and skills measured by their culminating task (graduation paper), and have acquired the required forty credits, will be awarded the Master of Management of Technology degree (professional):

1. Advanced practical knowledge in technology management and related fields
2. Advanced practical skills in technology management and related fields
3. The ability to grasp and analyze issues related to innovation from both theoretical and practical perspectives through the practical fusion of science technology and management
4. The ability to formulate new hypotheses on the topic of innovation based on the results of existing science technology research
5. The ability to undertake innovations and solve problems in the process from technology development to commercialization
6. The ability to strategically propose and demonstrate solutions for issues related to innovation
7. The ability to adapt and perform duties with a global perspective based on advanced practical knowledge and superior ability while maintaining the high professional and ethical standards required of entrepreneurs and CXOs*

*CXO: A collective term for those responsible for operations and functions in corporate activities, such as CEO, COO, CTO, CFO and CMO.

Curriculum Policy

The Management of Technology program (professional degree course) aims for the practical fusion of science technology and management, and collaborates with the Tokyo University of Science Graduate School Curriculum Collaboration Council to respond to social needs and seeds with the goal of fostering human resources who will become entrepreneurs and CXOs* who are highly specialized professionals with a high level of practical expertise, ethics, and international perspectives and who can respond quickly and innovatively to rapid changes in society (industry, etc.) and can lead society. The program will also develop lecture courses that cultivate global perspectives and high professional, ethical standards, and organize and implement curricula that

enable the formulation of individualized study programs for students with a diverse range of backgrounds so that all students can achieve their personal learning objectives according to their career paths and abilities.

(1) In response to rapidly changing social needs and seeds, based on the human resources development aims of the program, the Department will set eight areas of education (CEO/COO knowledge education, CTO knowledge education, CMO knowledge education, CFO knowledge education, CIO/CDO knowledge education, entrepreneur knowledge education, other CXO/stakeholder knowledge education, CHRO knowledge education) that align with the building blocks of entrepreneurs, CXOs*, etc., for the development of lecture courses. Courses are divided into Fundamental Courses that enable students to acquire fundamental knowledge and perception common to multiple areas and standardize the level of knowledge and perception among students, Specialized Courses that enable them to acquire advanced perception that meets the objectives and diploma policy of the major by anticipating social needs in one area or multiple integrated areas, Social Collaboration Courses, and Practical Courses that help them realize their personal goals. The developed lecture courses are intensively and effectively allocated for the organization and implementation of the curricula.

(2) The Fundamental, Specialized and Social Collaboration courses require students to constantly grasp the social situation and gradually acquire more advanced, up-to-date practical specialized knowledge. Prioritized and effective subjects will be allocated to selected education areas.

(3) The following courses are part of the Practical Courses needed to achieve the objectives of individual students based on human resource development aims:

A. In the MOT Seminar courses (MOT Seminar Exercise and MOT Seminars 1–4), under the supervision of academic instructors with practical experience , students clarify individual issues, formulate hypotheses, propose and promote solutions to those issues, and acquire comprehensive reasoning and practical skills though the theorization of practice, corporate research activities, various interviews with corporate executives and other professionals, etc. Students prepare their final culminating task (graduation paper) as a product of these activities in accordance with their individual topics.

B. In the Case Study courses (Practical CXO and Entrepreneur Case Studies 1–3 and Practical MOT Alumni Case Studies), company executives, entrepreneurs and program alumni present lectures and the like to students and faculty. Students then discuss the content using their individual thinking abilities and powers of imagination to develop an understanding that individuals differ in their abilities and knowledge due to differing backgrounds. These courses cultivate greater comprehensive thinking abilities and knowledge in individual students.

(4) During the practical education process, training is provided to develop the ability to play an active role as a highly specialized professional with a global perspective both domestically and internationally.

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Admissions Policy

In the Management of Technology program (professional degree course), we recruit the types of persons described below through various selection methods based on the university's founding spirit, meritocratic tradition and educational research philosophy.

1. Students with a certain level of practical experience (approximately 10 to 15 years of work experience or the equivalent in excellent performance)　after graduation or completion of a bachelor's, master's or doctoral program who wish to acquire deeper academic knowledge and superior ability to pursue an occupation that requires a high level of expertise in a specialized field; who are motivated to discover and solve problems in their specialized field; who seek to acquire the abilities necessary for a highly specialized professional; and who are willing to study independently in cooperation with various others.

2. Students motivated to be active in society with a global perspective based on practical knowledge, academic knowledge and abilities.

(General entrance examination)

With a focus on ensuring diversity, applicants who have practical knowledge and other specialized skills as well as analytical ability, logical ability, thinking and creative abilities, management ability, and the ability to express themselves that match the characteristics of the program, and who understand the purpose of the program's human resource development, will be selected through application screening, interviews and the like, regardless of their major field at the undergraduate or graduate level.

(Special admissions based on corporate recommendation)

Individuals recognized as excellent by companies or professional organizations that agree with the program's human resource development goals and various policies;　have advanced practical knowledge and other specialized skills as well as analytical ability, logical ability, thinking and creative abilities, management ability, and the ability to express themselves; and also understand the purpose of the program's human resource development, will be selected through document screening, interviews, etc.

(Special selection for working people)

Individuals who have considerable work experience (ten years or more) at companies or professional organizations; advanced practical knowledge and other specialized skills as well as analytical ability, logical ability, thinking and creative abilities, management ability, and the ability to express themselves well; and also understand the purpose of the program's human resource development, will be selected through document screening, interviews, etc.