

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

### **Diploma Policy**

In the Management of Technology program (professional degree course), the goal is to develop human resources who will become entrepreneurs and CXOs\* who are highly specialized professionals with a high level of practical expertise, ethics, and an international perspective, who can respond promptly and innovatively to rapid changes in society (industry, etc.), and who can lead the society through education that aims at the practical fusion of "science technology," which integrates the fields of sciences and engineering, and "management", and at fostering a "global perspective" and "a high level of professional ethics." Students who have been enrolled in this department for two years or more, have the following knowledge (wisdom) and skills measured by their culminating task (graduation paper), and have acquired the required 40 credits, will be awarded the Master of Management of Technology degree (professional).

1. Advanced practical knowledge in the management of technology and related fields.
2. An advanced ability to conduct research in the management of technology and related fields.
3. The ability to grasp and analyze issues related to innovation from both "theory" and "practice" through the practical fusion of "science technology" and "management".
4. The ability to set a hypothesis on the topic of innovation based on the results of existing science and technology research.
5. The ability to undertake a series of innovations and solve problems in the process from technology development through to commercialization.
6. The ability to strategically propose and demonstrate solutions for issues involving innovation.
7. The ability to adapt and perform duties with a global perspective based on advanced expertise and in-depth practical knowledge while maintaining the high professional, ethical standards required of entrepreneurs and CXOs\*.

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

### **Curriculum Policy**

In the Management of Technology program (professional degree course), in order to realize the aim 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 Department will aim for the practical fusion of "science technology" and "management", collaborate with "Tokyo University of Science Graduate School Curriculum Collaboration Council" and develop lecture courses and organize and implement curricula that respond to social needs and

seeds for students with a diverse range of backgrounds and that will cultivate “global perspectives” and “high professional, ethical standards”.

- (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 and research (Visionary Thinking, Innovation and Entrepreneurship, Management Strategy and Organizational Behavior, Advanced Science & Technology and Industry, Economics and Finance & Accounting, Marketing, Leadership and Risk, Compliance) that align with the building blocks of entrepreneurs, CXOs\*, etc., for the development of lecture courses. Courses are divided into Core Courses, Basic Courses, three Track Courses (E-MOT, Innovators, Entrepreneurs) that have more concrete job targets, Social Collaboration Courses, and Practical Courses that realize the goals of individual students. The developed lecture courses are intensively and effectively allocated for the organization and implementation of the curricula.
- (2) In Core Courses, Basic Courses, Track Courses, and Social Collaboration Courses, in order 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 the education and research areas.
- (3) In the Practical Courses, in order to achieve the individual students’ objectives based on human resource development aims, the following lecture courses will be allocated.
  - A. In the "Project" courses (“Project Exercise” and “Project 1–4”), under the supervision of a practical academic advisor, through the theorization of practice, corporate research activities, various interviews, etc., with corporate executives and other professionals, and other tasks, students will clarify the individual issues, establish hypotheses, formulate and propose solutions to those issues, and comprehensively acquire reasoning and practical abilities. The outcomes of these exercises will be presented in a final culminating task (graduation paper) that corresponds to the student’s individual issues.
  - B. In the “Case Study” courses (“Practical CXO/Entrepreneur Case Studies 1–3” and “Practical Case Studies”), students and faculty will listen to lectures, etc. given by company executives, entrepreneurs, and graduates of the program, discuss them using their individual cognitive abilities and "visionary thinking," develop an understanding that there are differences in the abilities and knowledge, including cognitive abilities and “visionary thinking,” of individuals due to differing backgrounds. This will cultivate further comprehensive abilities and knowledge, including cognitive abilities and "visionary thinking," in individual students.
- (4) In the practical courses, training will be provided to develop the ability to play an active role as a highly specialized professional with a global perspective both at home and abroad.

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

## **Admissions Policy**

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

1. A person who has a certain level of practical experience (a person with approximately 10 to 15 years of work experience or an equivalent number of years of excellent performance) after graduation or completion of a bachelor's, master's, or doctoral program and who wishes to acquire deep knowledge and superior ability to pursue an occupation that requires a high level of expertise in a specialized field; a person who is willing to discover and solve problems by himself/herself in a specialized field; a person who aims to acquire the abilities necessary for a highly specialized professional; or a person who is willing to study independently in cooperation with various people.
2. A person who desires to be active in society from a global perspective based on practical knowledge, learning, and ability.

### **(General entrance examination)**

In the Management of Technology program (professional degree course), emphasis will be placed on ensuring diversity. Regardless of the major field in the university, persons who have the excellent aptitude, including practical knowledge, analytical ability, logical power, perception & creativity, management skills, and expressiveness appropriate to the characteristics of this department, and who understand the purpose of human resource development of this program will be selected through document examination, interviews, etc.

### **(Special admissions based on corporate recommendation)**

Candidates who are recognized as excellent by companies or professional organizations, etc., which agree with the human resource development and other objectives and the various policies of the program, and who have the excellent aptitude, including practical knowledge, analytical ability, logical power, perception & creativity, management skills, and expressiveness, and who understand the purpose of human resource development, etc. of the program will be selected through document examination, interviews, etc.