

Doctoral Program

1. Educational Mission

The Graduate School of Technology Management aims to cultivate individuals who understand the value of science and technology and possess the knowledge, skills, and abilities through designing future to contribute to social development.

We seek to develop researchers who can elevate practical experiences in companies and other organizations into universal, systematic concepts and methodologies, and formalize them into explicit knowledge.

Additionally, we aim to cultivate engineers, managers, and other professionals who can feed back their experiences as practitioners of technology management into academic research, elevate practical experiences in companies and other organizations into universal, systematic concepts and methodologies, formalize them into explicit knowledge, and become globally active individuals rich in a spirit of independence and innovation.

2. Admission Policy

The Graduate School of Technology Management welcomes the students with the following qualification.

(Knowledge / Understanding)

- A. Those who have academic ability to learn the advanced theories, concepts and methodologies in the field of technology and innovation management, to induce the new value creation in the field.

(Deliberation/Judgement)

- B. Those who seek to identify issues and challenges in areas such as research and development, business activities, and the utilization of intellectual properties. Additionally, those who aim to formulate advanced research questions and make highly novel discoveries.
- C. Those who aim to promote research as core human resources from the perspective of practical action, based on strategic and theoretical thinking. Additionally, those who seek to formulate and propose advanced strategies and solutions, in order to address challenges and promote innovation in industrial society.

3. Curriculum Policy

In the Doctoral Program of the Graduate School of Technology Management, the curriculum is designed to enable students to acquire “the academic competencies necessary to master advanced theories, concepts, and methodologies pertaining to technology management” which is the program’s educational goal.

The program advances students’ research from two interrelated perspectives:

First, by cultivating an academic orientation that enables them, as researchers and highly skilled professionals with specialized knowledge in technology management, to lead the creation of new value;

Second, by fostering the capacity to act strategically and theoretically as core human resources in the global society.

For this purpose, doctoral seminars offer instruction of doctoral dissertation writing including research and analyses and support specific research fields and themes systematically for each individual student.

4. Diploma Policy

The Graduate School of Technology Management is committed to fostering individuals who possess a profound understanding of the value of science and technology and who are equipped with the knowledge, skills, and competencies necessary to contribute to the advancement of society.

To this end, the school establishes the educational goal—namely, the capabilities that students are expected to acquire upon completion of their program—as outlined below.

The achievement of these competencies shall be deemed fulfilled through the successful completion of the prescribed credits stipulated in the curriculum and by passing the evaluation conducted in accordance with the dissertation assessment criteria for the program. In the doctoral program, candidates who meet these requirements shall be conferred with the Doctoral Degree.

(Knowledge/ Understanding)

- A. Acquire advanced theories, concepts and methodologies in the field of technology and innovation management and develop a clear understanding of their significance and role.

(Deliberation/Judgement)

- B. Identify issues and challenges in areas such as research and development, business activities, and the utilization of intellectual assets, and capable of formulating advanced research questions and discovering highly novel insights.
- C. Develop and propose advanced strategies and solutions to address challenges and promote innovation in industrial society.

<Evaluation criteria for doctoral dissertation>

The conferral of the degree requires fulfillment of all prescribed completion requirements and successful evaluation by the Degree Review Committee.

For thesis dissertation, the committee's assessment of the submitted dissertation and oral examination is based on multiple criteria, including understanding of technology management concepts and methodologies, clarity of research questions, appropriateness of the research theme, relationship to prior research, and appropriateness of logical development and written expression.

The degree shall be awarded to candidates who demonstrate advanced research capabilities in technology management - specifically, the ability to transform practical experiences in corporate settings into universal, systematic concepts and methodologies, thereby formalizing them as explicit knowledge.