



# Tokyo Institute of Technology International Graduate Program (B) Commencing in September 2019 Overseas Application

【Tokyo Institute of Technology – Tsinghua University  
Joint Graduate Program; Doctoral Program】

## 1. General Prospectus

Launched on September 1, 2004, the Tokyo Institute of Technology –Tsinghua University Joint Graduate Program offers three distinct courses through Tokyo Institute of Technology and Tsinghua University, one of China’s leading universities (<http://www.tsinghua.edu.cn/publish/newthuen/index.html>). The program is designed for students to study in the course of their choice in order to acquire broader knowledge and understanding while conducting advanced research.

This program was founded upon the collaboration of two top science and technology universities, Tsinghua University in China and Tokyo Institute of Technology in Japan. Combining the advanced science and engineering expertise of each university while building a relationship of trust between China, a world superpower, and Japan, one of multiple leader in Asia, will not only serve as a significant contribution to the development of the industries, economies, and cultures of the two countries, but also prove beneficial on a global scale. Nurturing individuals who possess comprehensive knowledge of the language, culture and society of both countries is imperative to accomplishing these aims.

## 2. Program

The Tokyo Institute of Technology - Tsinghua University Joint Graduate Program is one of the International Graduate Programs. This dual degree program educates and confers degrees for Chinese and Japanese students enrolled in one of the three advanced interdisciplinary courses (Nanotechnology, Bioscience and Biotechnology, or Decision Science and Technology) offered through both universities with the language of instruction generally being in the host language of Chinese or Japanese. Lectures in English, although less common, may also be offered to participants in this graduate program.

In the doctoral program students are required to conduct research at both universities

and submit a thesis to one of the universities in order to earn their doctoral degrees.

Students enrolled in the Doctoral degree program at Tokyo Institute of Technology are expected to successfully complete their supervised study within three years. To attain the Doctoral degree, students need to earn a designated number of credits outlined by the department in a predetermined program of study, complete and receive approval of a research thesis, and pass a comprehensive final examination.

### **3. Eligibility**

International applicants who are not living in Japan during the time between the application and the enrollment periods and who satisfy the following condition are eligible to apply for this program.

Persons who have registered as Doctoral Course students at Tsinghua University or who are expected to do so by the day before the admission date.

**The admission of applicants expecting to obtain a Master's degree from Tsinghua University will be revoked should the applicant fail to successfully to do so by the day before the admission date.**

### **4. Application Procedures**

Prior to submitting the application materials, applicants must first contact the International Student Exchange Division at Tokyo Institute of Technology.

All the documents listed below must be submitted by the application deadline of December 10 2018.

1. Completed Application Form (attached form, original, no photocopies)
2. Field of Study and Study Program (attached form)
3. Official Academic Transcripts from each undergraduate and graduate school(s) (originals or certified copies)
4. Certificate of Graduation or Expected Date of Graduation from undergraduate and graduate school (original or certified copies)
5. Title and Summary of Master's Program Thesis  
Provide the title and details of your Master's program research (any format

- acceptable)
6. English Proficiency Test Score Report (original, no photocopies)
    - \* Applicants are required to submit English proficiency test score reports from TOEFL-iBT, TOEFL-PBT, The revised TOEFL-Paper-delivered Test, TOEIC, or the IELTS Academic Module taken on or after December 11, 2016. Score reports from the Institutional Testing Program of TOEFL and TOEIC (TOEFL-ITP, TOEIC-ITP, TOEIC-IP) TOEIC S&W or other proficiency tests not specifically listed above will not be accepted.
  7. Recommendation Letter from the dean of the applicant's home institution addressed to the President of Tokyo Institute of Technology (original, no photocopies)
  8. Recommendation Letter from a supervisor, head of department, etc. to verify the applicant's potential (original, no photocopies)
  9. Applicant's Passport (one photocopy of the page(s) with the applicant's name, nationality, date of birth, and photo)

**Notes:**

- 1) Tokyo Institute of Technology will not accept or consider any documents received after the stated deadline or any incomplete applications.
- 2) Original documents written in a language other than English or Japanese must be accompanied by a certified English or Japanese translation. Translations should be certified by a public institution or the issuing university.
- 3) Submitted documents will not be returned under any circumstances. Tokyo Tech will not provide photocopies of the submitted documents. Please keep a copy of all documents for personal reference. Should a document not be re-issuable, please submit a certified copy instead.

## **5. Admission Decision**

The admission decision will be made based on the application, academic transcripts, related documents, and screening and interview processes, including an Internet-based interview. Notification of admission results will be sent to all applicants in early March.

## **6. Application, Admission and Tuition Fees**

In principle, students admitted to this program are not required to pay application, admission or tuition fees.

\*For reference, the fees are as follows.

Application Fee	¥30,000 (JPY)
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Admission Fee            ¥282,000 (JPY)

Tuition Fee (per year) ¥635,400 (JPY)

Application, admission and tuition fees are subject to change.

## **7. Further Information**

Detailed information on campus life at Tokyo Tech can be found on the following website:

[https://www.titech.ac.jp/english/graduate\\_school/campus\\_life/](https://www.titech.ac.jp/english/graduate_school/campus_life/)

International Student Exchange Division  
TOKYO INSTITUTE OF TECHNOLOGY  
2-12-1-S6-7 Ookayama, Meguro-ku, Tokyo 152-8550 JAPAN  
Tel : +81-3-5734-7650  
Fax: +81-3-5734-3677  
E-mail: seika@jim.titech.ac.jp

Course Name	Nanotechnology Course
Type of Degree	Doctor of (Science, Engineering, Philosophy)
Program Outline	<p>The Nanotechnology Course is designed for graduate students in Materials Science and Engineering and Chemical Engineering. Complementary lectures for Material Science are offered. Students are expected to complete a thesis upon receiving academic guidance from professors at both Tokyo Institute of Technology and Tsinghua University.</p> <p>The main research fields include synthesis, fabrication, processing and characterization of functional and environmental materials, including ferroelectronics, magnetics, polymer science, ceramics, nanocomposite, metals and intermetallics.</p>
Departments	<p>Dept. of Electrical and Electronic Engineering (<a href="https://educ.titech.ac.jp/ee/eng/">https://educ.titech.ac.jp/ee/eng/</a>)</p> <p>Dept. of Materials Science and Engineering (<a href="https://educ.titech.ac.jp/mat/eng/">https://educ.titech.ac.jp/mat/eng/</a>)</p> <p>Dept. of Chemical Science and Engineering (<a href="https://educ.titech.ac.jp/cap/eng/">https://educ.titech.ac.jp/cap/eng/</a>)</p>
Number of Admitted Students	A few students
Inquiry	<p>Prof. Ken Nakajima e-mail: <a href="mailto:knakaji@polymer.titech.ac.jp">knakaji@polymer.titech.ac.jp</a></p>

Course Name	Bioscience & Biotechnology Course
Type of Degree	Doctor of (Science, Engineering, Philosophy)
Program Outline	The Bioscience & Biotechnology Course is based in the five Departments of Tokyo Tech's Graduate School of Bioscience and Biotechnology and in several Bioscience and Biotechnology related Departments of Tsinghua University. Completion of this Doctoral course requires 3 years of laboratory work and the accumulation of sufficient credits from either Tokyo Tech or Tsinghua University. Doctoral Degrees will be awarded by one of the institutions. Students in the Bioscience & Biotechnology Course study under supervision of professors from both institutions.
Departments	Dept. of Life Science and Technology ( <a href="https://educ.titech.ac.jp/bio/eng/">https://educ.titech.ac.jp/bio/eng/</a> )
Number of Admitted Students	A few students
Inquiry	Prof. Yasunori Tanji e-mail: <a href="mailto:ytanji@bio.titech.ac.jp">ytanji@bio.titech.ac.jp</a>

Course Name	Decision Science & Technology Course
Type of Degree	Doctor of (Science, Engineering, Philosophy)
Program Outline	<p>The Decision Science &amp; Technology Course aims to analyze and solve various problems resulting from the interface between highly developed science, technology and society; to theoretically formulate the existing problems in the hyper-industrial society; and, to provide concrete solutions to today's technological issues. Topics explored include the deterioration of the global environment caused by the use of technology; conflicts attributable to technological control by technologically advanced nations; and, the emergence of new technologies that alter the fundamentals of humanity, such as genetic engineering. Such forces of technology are severely straining the relationship between human beings and the technological world and scientists need to explore these critical issues in greater depth.</p> <p>The program comprises the fields of the humanities, philosophy and history of science and technology, social sciences, design, social engineering, management engineering, education, and value and decision science, as well as other basic academic fields.</p>
Departments	<p>Dept. of Industrial Engineering and Economics (<a href="https://educ.titech.ac.jp/iee/eng/">https://educ.titech.ac.jp/iee/eng/</a>)</p> <p>Dept. of Architecture and Building Engineering (<a href="https://educ.titech.ac.jp/arch/eng/">https://educ.titech.ac.jp/arch/eng/</a>)</p> <p>Dept. of Civil and Environmental Engineering (<a href="https://educ.titech.ac.jp/cv/eng/">https://educ.titech.ac.jp/cv/eng/</a>)</p> <p>Dept. of Social and Human Science (<a href="https://educ.titech.ac.jp/shs/eng/">https://educ.titech.ac.jp/shs/eng/</a>)</p>
Number of Admitted Students	A few students
Inquiry	<p>Prof. Tatsuro Sakano</p> <p>e-mail: sakano.t.aa@m.titech.ac.jp</p>