

# Tokyo Tech Academy for Convergence of Materials and Informatics (TAC-MI)

## AY2022 Spring Semester Student Recruitment Briefing



MEXT H30 WISE Program: Doctoral Program for  
World-leading Innovative & Smart Education  
"Creating sustainable societies through  
[Material×Information] multi-talented  
human resource development"

**We look forward to the participation of students who want to  
make a social impact utilizing materials and information.**

In order to foster outstanding individuals, the Institute established the Tokyo Tech Academy for Convergence of Materials and Informatics (TAC-MI) in April 2019 under the auspices of MEXT's WISE Program, and will begin recruiting students starting in Spring Semester 2022. While in their graduate studies, students pursuing a doctoral degree can take this additional program, which will enable them to connect information with materials by using information science and multifaceted thinking, as well as by taking a broad perspective. The program aims, in addition to the top-level research, to cultivate multi-talented human resources to become leaders in this "space in multi-axes" that is our continuously advancing society.

### Schedule

**If you are interested in this program, please participate in the briefing session.**

**Wednesday, October 20,  
2021**

**To be live-streamed using Zoom**

- ① 17:15~18:00 in Japanese
- ② 18:15~19:00 in English

※ Registration required.

**[How to register]**

If you wish to participate in the briefing session, please register from the TAC-MI website.



URL: <https://www.tac-mi.titech.ac.jp/en/event/ay2022spring-briefing/>

※ It is posted as a questionnaire on the Web Services for Students and Faculty. You can also register from there.

### Application Eligibility

Master's students of all Schools who Fall under the following are eligible to apply.

- (1) Those who are enrolled in a master's degree program at Tokyo Institute of Technology as of April 1, 2022  
(The beginning date of Spring Semester).
- (2) Those who wish to go on to a doctoral degree program.

### Selection Schedule

December 2021 -January 2022, Enrollment Examination will be conducted.  
(Document screening and Interview)

### Economic Support for Students

We provide economic support (1,280,000 to 2,000,000 yen per year)  
for doctoral students.



Lectures and Exercises using the supercomputer TSUBAME

Contact  
information

TAC-MI Office (S6 Bldg., Rm 402)

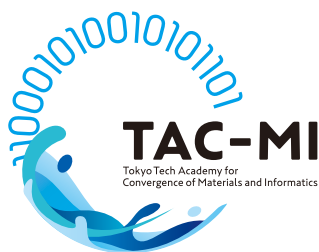
✉ [tac-mi@jim.titech.ac.jp](mailto:tac-mi@jim.titech.ac.jp)

Please visit our website for details.

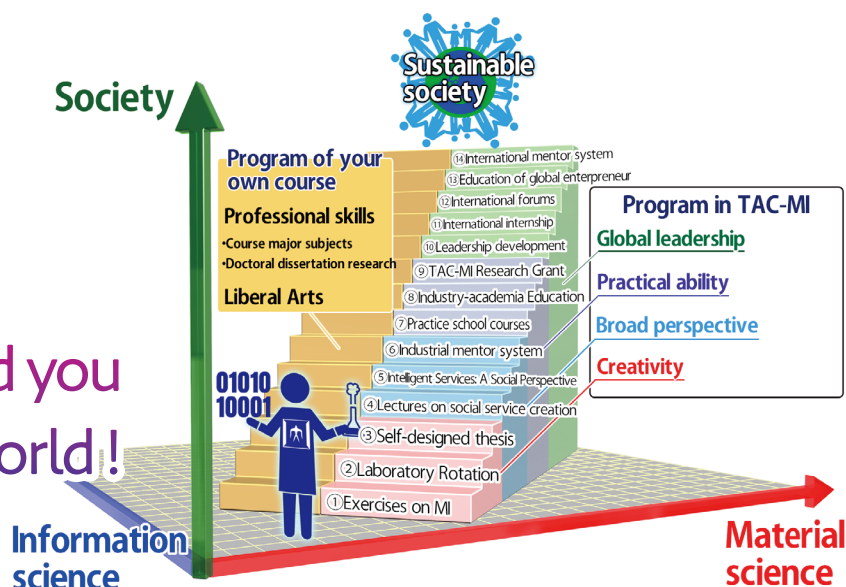
<https://www.tac-mi.titech.ac.jp/>







Excellent education and  
leading-edge research lead you  
to create the bran-new world!



The TAC-MI program is a seamless educational program provided throughout graduate learning. It aims to empower students to become multitiered individuals capable of promoting creative, interdisciplinary research in materials science and informatics. The program, in collaboration with partners from industry and partner organizations including the National Institute for Materials Science, will enable students to connect information and materials by utilizing information science and multifaceted thinking. Cutting-edge facilities such as the Materials Research Center for Element Strategy and the supercomputer TSUBAME, combined with the Institute's collective strength, will allow TAC-MI students to acquire the following four attributes necessary.

## Creativity

Materials and Informatics lectures with exercises  
Laboratory rotation  
Originality education with self-designed thesis

## Broad perspective

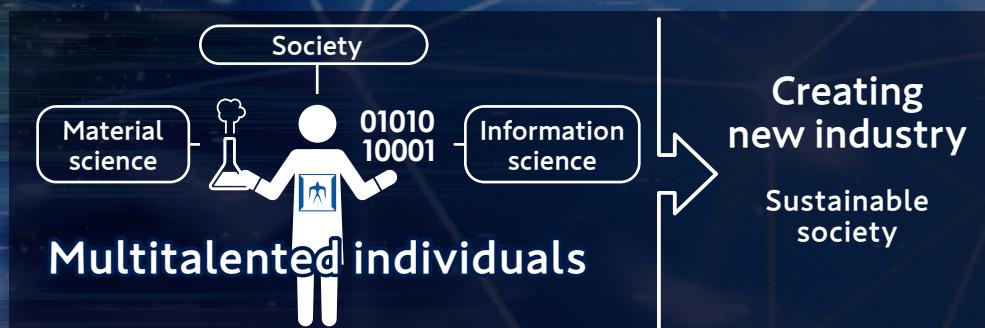
Lectures on social service creation  
Intelligent Services: A Social Perspective  
Industrial mentor system

## Practical ability

Practice School to solve companies issues.  
TAC-MI Research Grant to enhance the ability to find and solve problems

## Global leadership

Leadership development courses provided by ToTAL  
International internships  
International forums on materials and informatics  
International mentor system



## Multitiered individuals

We expect our students to take a leading role in the 'complex space' of a transdisciplinary framework as multitiered individuals that includes materials science, information science, and services to society, pursuing a path toward sustainability.

## Partner organization

National Research and Development Agency — 2

Overseas university — 7

Company — 29

(as of September 1, 2021)

National Institute for Materials Science / National Institute of Advanced Industrial Science and Technology / Leiden University / McGill University / Max Planck Institute / Imperial College London / Cornell University / Sorbonne University / Tsinghua University / TOYOTA MOTOR CORPORATION / Nissan Motor Co., Ltd. / Toshiba Corporation / JFE Steel Corporation / JX Nippon Mining & Metals Corporation / ASAHI KASEI CORPORATION / Mitsubishi Chemical Corporation / SUMITOMO CHEMICAL Co., Ltd. / TOSOH CORPORATION / MITSUBISHI GAS CHEMICAL COMPANY, INC. / Sumitomo Electric Industries, Ltd. / SHOWA DENKO K.K. / TDK Corporation / LG Japan Lab Inc. / Panasonic Corporation / FUJIFILM Corporation / AGC Inc. / ZEON CORPORATION / Showa Denko Materials Co., Ltd. / KANEKA CORPORATION / Toyo Seikan Group Holdings, Ltd. / NAGASE & CO., LTD. / Hamamatsu Photonics K.K. / ENEOS Corporation / JEOL Ltd. / TAIYO YUDEN CO., LTD. / Kao Corporation / Idemitsu Kosan Co., Ltd. / MITSUI MINING & SMELTING CO., LTD.